

FEDCO

2022



**Flowerbulbs & Seed Garlic
for Fall Planting**



Welcome to Fedco's 2022 order of fall-planted flowerbulbs, perennial plants and seed garlic!

Gardening with flowers, like many art forms, involves color, instinct, some coordination, but also a spirit that embraces the unexpected, finds motivation in the disappointments and goes with the flow. The latter is especially important if you are the kind of bulb planter who lingers over the descriptions, carefully places your order, and then doesn't get the bulbs in the ground until the last minute before the ground freezes. In late fall, we're tired, we're cold, we prioritized stacking the wood, harvesting the carrots, winterizing the vehicles, and then—oh crud—the flowerbulbs! We admit, sometimes they get planted in a hurry, and we don't know what we've done until the spring bulbs have sprung.

Referring to errant brushstrokes in landscape painting, Bob Ross liked to say that we don't make mistakes, we make "happy little accidents." The same could be said about landscape *planting*. Maybe your style, like ours, is one never-ending happy accident.

There's no harm in attempting to plan ahead, yet some of our very favorite interplantings in the garden came from late fall panic planting. Scattered through this catalog are some of the happy accidents and good pairings that came about after we slammed the bulbs into the ground while the snow was beginning to fall.

Like painting over an old canvas, most plants can be dug up, moved, rearranged, complemented next year with something new—or by another series of happy accidents. Spring is always full of wonder, but the joy of discovery is deepened when we've forgotten what we planted and where. Just get them in the ground!

—The Fedco Bulbs team

Questions or concerns?

Email: questions@fedcoseeds.com

Call: (207) 426-9900

Phone hours: Monday–Friday, 9am–5pm EST
(We do NOT take orders over the phone.)

Catalog Request Line: (207) 426-0090

- Fedco Trees catalog, out in October.
- Fedco Seeds & Supplies catalog, out in December.

fedcoseeds.com



Important dates & deadlines

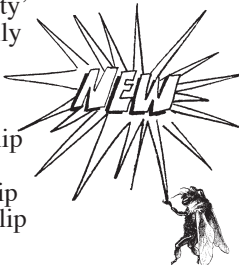
- **Volume discount**, Friday, August 5, 2022
- **Final order deadline**, Friday, August 19
- **Shipping** begins mid-September, through late October

Order online at **fedcoseeds.com/bulbs**
You'll also find product availability and color photos!

- **Volume discounts:** Order by August 5!
Orders \$100 & over deduct 5%
Orders \$300+ deduct 10%
Orders \$600+ deduct 15%
Orders \$1200+ deduct 20%
- **Group ordering:** Earn volume discounts and save on shipping by ordering with neighbors. See p. 22.
- **Pickup customers:** We'll contact you mid-October when your order is ready to pick up at our warehouse.
- Fedco's **Organic Growers Supply** is open for walk-in sales of amendments, farm seed, tools, and more:
688 Bellsqueeze Road, Bldg 2, Clinton, Maine
Tuesday–Thursday, 9am–3pm, year-round

NEW for 2022 (or BACK! after a long absence)

- 'Shirley Temple' garden peony
- *A. rosenbachianum* - Showy Persian Onion
- *Camassia leichtlinii* 'Alba' - Leichtlin's Camas
- *Chionodoxa luciliae* 'Violet Beauty'
- 'Manitoba Morning' martagon lily
- Ninety Days of Narcissus Mix
- 'Danique' species tulip
- 'Little Beauty' species tulip
- 'Orange Emperor' Fosteriana tulip
- 'Carnaval de Rio' Triumph tulip
- 'Banja Luka' Darwin Hybrid tulip
- 'Purple Pride' Darwin Hybrid tulip
- 'Artist' Viridiflora tulip
- 'China Town' Viridiflora tulip



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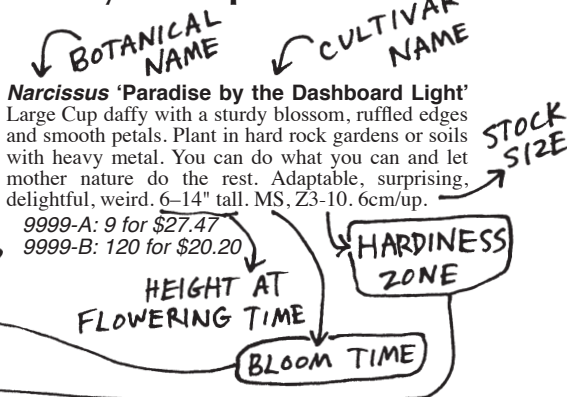
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Reading our variety descriptions

Relative bloom time:

VE: very early spring
ES: early spring
MS: mid-spring
LS: late spring
ESu: early summer

USDA Hardiness Zone	Average Minimum Temperature
2	-50° to -40°
3	-40° to -30°
4	-30° to -20°
5	-20° to -10°
6	-10° to 0°



Seed Garlic *Allium sativum*

The bulb size, the skin color, the flavor, and the size and number of cloves are partly determined by genetics, and partly by soil and weather. Our size standard for a seed garlic bulb is a minimum 2" diameter.

Porcelain Garlic

This hardneck type produces 3-6 very large cloves with tight porcelain-white skins. Excellent storage. Huge cloves are wonderful in the kitchen (some will need cutting to fit into a garlic press!) and perfect for production pesto-making or baking whole. Scapes form arches, curls and loose coils, and develop hundreds of tiny grain-sized bulbils. Slower propagation than other hardnecks; 20-35 cloves per pound. Z3-8.

Georgian Crystal - This fine Porcelain type is sure to please those who desire large cloves. Similar in flavor to German Extra-Hardy or Music. When eaten raw, a bit less bite than Georgian Fire. Stores well into winter. **Eco-grown in Maine.**

6221-A: 3 bulbs for \$16.00

6221-B: 2# for \$50.00

6221-C: 10# for \$210.00

Georgian Fire - We love this fiery Porcelain, with more bite than Georgian Crystal. Its pungent taste is loved by garlic aficionados and, finely chopped, is excellent for heating up salsas and sauces. Sizable bulbs with blushed inner skins store well. All lots **Maine Grown.**

Georgian Fire - Certified Organic

6222-A: 3 bulbs for \$17.50

6222-B: 2# for \$55.00

6222-C: 10# for \$225.00

Georgian Fire - Eco-grown

6223-A: 3 bulbs for \$16.00

6223-B: 2# for \$50.00

German Extra-Hardy

Selected for size. Big Porcelain bulbs typically yield four huge cloves; range is 3-5. White outer skin, rusty reddish-tan clove skins. Hardy plants, hearty flavor, excellent storage. All lots **Maine Grown.**

German Extra-Hardy - Certified Organic

6224-A: 3 bulbs for \$17.50

6224-B: 2# for \$55.00

6224-C: 10# for \$225.00

German Extra-Hardy - Eco-grown

6225-A: 3 bulbs for \$16.00

6225-B: 2# for \$50.00

6225-C: 10# for \$200.00

Music - Similar to German Extra-Hardy, with large succulent cloves. Al Music brought this Porcelain type from Italy to Ontario in the 1980s, where it became known as a very good cold climate variety. All lots

Maine Grown.

Music - Certified Organic

6226-A: 3 bulbs for \$17.50

6226-B: 2# for \$55.00

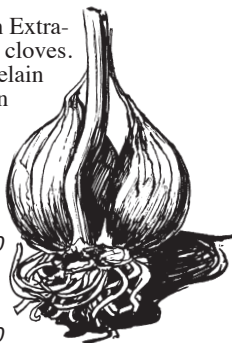
6226-C: 10# for \$225.00

Music - Eco-grown

6227-A: 3 bulbs for \$16.00

6227-B: 2# for \$50.00

6227-C: 10# for \$200.00



Illustrations on pages 4-5 are from *Growing Great Garlic* by Ron L. Engeland, available on page 46.



Fedco requires every lot of garlic to test negative for both garlic bloat nematode and white rot. See our website for details.

Eco-grown indicates crops grown without chemical pesticides, fungicides, herbicides or fertilizers. The growers use organic practices but do not choose to pursue certification.

Purple Stripe Garlic

The closest to the wild garlic ancestors, this variety hails from the harsh climate of central Asia. Genetic research shows the Purple Stripe group is the basis of all other types. Tightly wrapped cloves with long tips, 6–14 per bulb. The skins of both bulbs and cloves are striped purple. Cloves usually form a single layer around the hard center stalk, though very large bulbs may have inner cloves. Scapes coil vigorously; small bulbils. 50–60 cloves/lb. Z3-8.

Chesnok Red - Also known as **Shvelisi**, the name of the village in the Republic of Georgia where it was collected in the '80s. Excellent for baking, though the flavor is also perfect either chopped into a stir-fry or raw in a vinaigrette.

Eco-grown in Maine.

6229-A: 3 bulbs for \$16.00

6229-B: 2# for \$50.00

6229-C: 10# for \$200.00

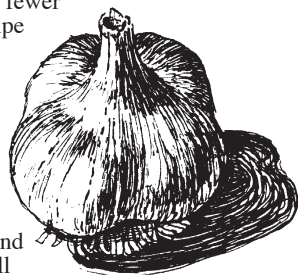
Duganskij - Also known as **Samarkind** and **Persian Star**, though originally from Kazakhstan. Late-maturing Duganskij (dew-gan-skee) grows 6–8 generously sized cloves per bulb. Its flavor reaches its peak in mid-late winter at the time when its tight skins become easier to peel. Our grower in northern Maine says Duganskij keeps well in cold storage into May. **Eco-grown in Maine.**

6230-A: 3 bulbs for \$16.00

6230-B: 2# for \$50.00

Marbled Purple Stripe Garlic

Mottled purple striping on the skins of both clove and bulb. The leaves tend to be broader and bulbs tend to have fewer cloves than Purple Stripe varieties, though the cloves are often larger and more squat in appearance; 4–7 per bulb. This hardneck group produces bulbs that store well and are excellent for roasting. Scapes curl and coil dramatically; small bulbils. 30–50 cloves/lb. Z3-8.



Giant Turkish Red - Robust full-bodied garlic flavor and excellent storage qualities. Each bulb produces 6–9 cloves featuring marbled mottled purple-striped papers. Matures in the last week of July in northern Maine, which is sure to be of interest to northern growers. **Eco-grown in Maine.**

6231-A: 3 bulbs for \$16.00

6231-B: 2# for \$50.00

Discounts on orders

received by
August 5, 2022:
take 5% off at \$100,
10% off at \$300,
15% off at \$600,
20% off at \$1200.

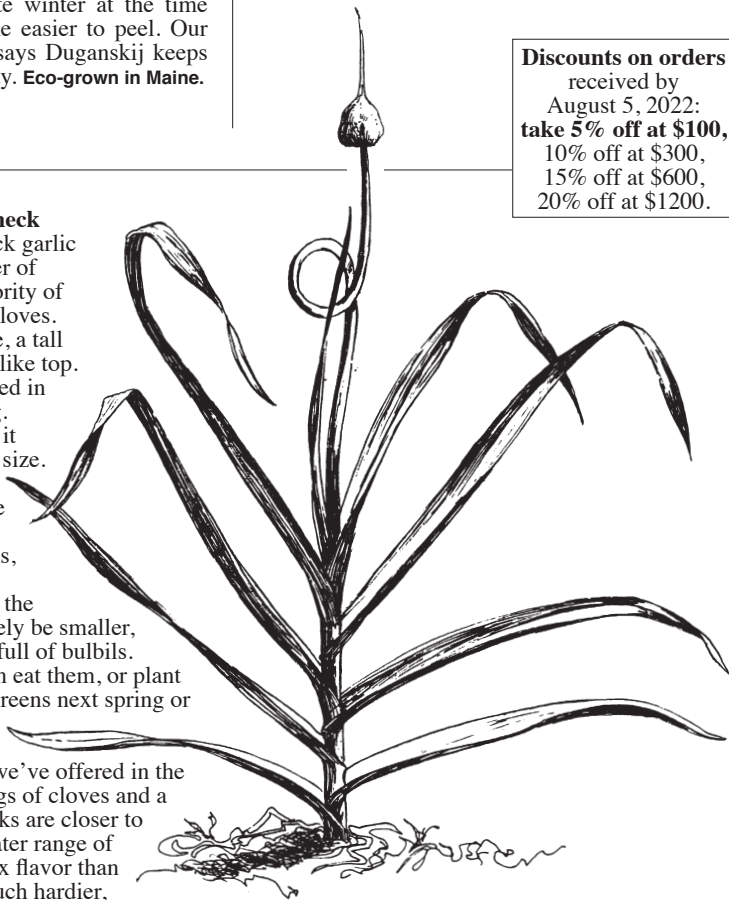
Hardneck Garlic

We're offering only hardneck varieties this year. Hardneck garlic has a hard stalk in the center of the bulb, and (the vast majority of the time) only one ring of cloves. Plant grows an edible scape, a tall leafless stalk with a flower-like top. Not braidable, but can be tied in attractive bundles and hung.

Cut off the scape before it uncurls to get the best bulb size. Not easy on a commercial scale, but on a smaller scale it's not much work, plus fresh tops are great in salads, stir-fries, pickles, pesto!

If you leave the tops on, the below-ground bulb will likely be smaller, but you'll get a membrane full of bulbils. Depending on type, you can eat them, or plant them in autumn either for greens next spring or full-sized bulbs in two to four years.

Softneck garlic (which we've offered in the past) produces multiple rings of cloves and a soft braidable top. Hardnecks are closer to wild garlic, and have a greater range of character and more complex flavor than softneck. Hardnecks are much hardier, thus recommended for cold climates.



Rocamboles Garlic

Hardneck type produces 5–13 medium-large cloves with tan, brown or reddish skins, slightly loose and relatively easy-peeling. A shorter shelf life than Porcelains, perhaps because the clove skins are looser, or because of a slight tendency to split cloves. Generally stores well through February, and—if well cured and in optimal storage—can store months longer. Some claim Rocambos have the finest, richest flavor. Scapes form tight coils. Forms 8–25 bulbils, the size of peas; skins can be tight, but otherwise good cooking. Z3-8.

German Red - Organic - Has red-burgundy wrapper layers and light brown clove skins. 6–12 cloves per bulb, with double cloves common. Stores well up to six months or longer. Said to be a medieval strain of garlic brought to North America in the 1700s. 40–70 cloves/lb. **Certified Organic.**

6232-A: 3 bulbs for \$17.50

6232-B: 2# for \$55.00

6232-C: 10# for \$225.00

Italian Easy Peel - Originally from northern Italy, with 6–9 easy-peeling cloves, the name of this fine variety omits mention of the strong rich flavor. Plenty of garlicky-ness, yet little-to-none of a hot spicy burn. Large uniform bulbs have rounded tops and thick wrapper papers with attractive touches of purple. Stored well for our grower in northern Maine—right into May! 40–60 cloves/lb. **Eco-grown in Maine.**

6233-A: 3 bulbs for \$16.00

6233-B: 2# for \$50.00

Russian Red - Named for its mottled burgundy skin, said to have been brought to the Pacific Northwest by Russian immigrants in the early 1900s. Forms a ring of 6–12 large plump cloves around a central stalk. Keeps well for more than six months. “Delicious garlic flavor with no bitter aftertaste,” says RR grower and garlic aficionado M. Coffin. 50–60 cloves/lb. All lots **Maine Grown.**

Russian Red - Certified Organic

6234-A: 3 bulbs for \$17.50

6234-B: 2# for \$55.00

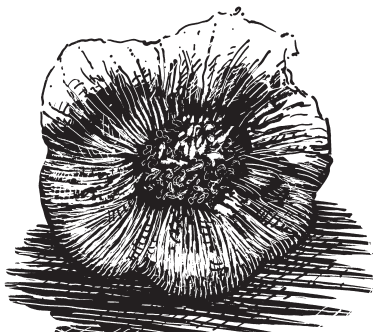
6234-C: 10# for \$225.00

Russian Red - Eco-grown

6235-A: 3 bulbs for \$16.00

6235-B: 2# for \$50.00

6235-C: 10# for \$200.00



Garlic Sampler - Not sure what type of garlic to grow? Overwhelmed by the choices? Try our sampler: **three bulbs each of four hardneck varieties.** Our choice of varieties, 12 bulbs packed and labeled by name; approximately two pounds total. All **Eco-grown.**

6236-A: 1 sampler of 12 bulbs for \$50.00

Basics of Growing Garlic: Give it Space, Feed it and Weed it!

In late fall, 3–4 weeks before the ground freezes, prepare a nitrogen-rich well-groomed seedbed. (Try supplementing beds with our **3G Greener Garlic Grower**, available from our Seeds & Supplies catalog, or at fedcoseeds.com/ogs.) Garlic is a heavy feeder and needs space. Break up the bulb and plant cloves 6–10" apart, pointed side up, with the base about 3" deep. Mulch with 4–6" of hay, leaves or straw. Some folks skip the mulch, but plant 5–6" deep.

In spring, move the mulch to free any struggling spears, then replace it to keep moisture even and to help prevent weeds. Maintain even moisture levels during the season.

In midsummer, the scapes of hardnecks will begin to unfurl and stand up. Leave them on and get somewhat smaller bulbs plus bulbils, or cut them off for larger bulbs at harvest plus tops to eat as green garlic now.

In mid-late summer, allow the soil to dry somewhat about a week before harvest. Check bulb growth when the bottom leaves are yellow and 5–6 leaves are still green, late July to early August for us in central Maine. Harvest bulbs before cloves begin to separate. Use a garden fork to loosen the soil and lift gently.

Tie and hang to cure in a well-ventilated place, protected from sun and rain, until dry. Do not field-cure.

To store, trim roots, trim tops to within 1" of the bulb, rub off loose skins and any dried dirt, and store in a cool dry place. Visit fedcoseeds.com/bulbs/garlic.htm for more details and for former Fedco staffer Roberta Bailey's blue-ribbon garlic growing tips.

Late shipment! Items on this page ship in late October.

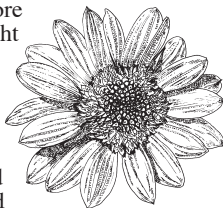
Not available for pickup. Sorry, no late shipments to Alaska.

Sunchoke

Helianthus tuberosus

Also known as **Jerusalem Artichoke**, these vigorous native perennial tubers have a flavor and texture somewhat like water chestnuts.

Dig them in the fall and store for winter enjoyment in tight containers to conserve moisture, or dig in the spring as an early fresh vegetable. Forms an annual ornamental hedge with its 6-8' foliage topped with golden flowers shaped more like daisies than sunflowers.



Sunchokes are in the same plant family as artichokes but are more closely related to sunflowers. 'Jerusalem' is thought to be a corruption of *girasole*, the Italian word for sunflower; or perhaps early settlers to New England celebrated their "new Jerusalem" with this native wild food.

Canaan Cream - Originally brought to Maine in the 1970s from Binghamton, NY, by Fedco's founder's father, and Eco-grown ever since in Canaan, Maine. This large white-fleshed, cream-skinned variety has been likened to the well-known Clearwater. Canaan tends to be knobbier, but is just as crisp and tasty. **Eco-grown in Maine.**

Z6901-A: 1# for \$15.00

Z6901-B: 3# for \$39.00

Skorospelka - The product of a Soviet-era breeding program, Skorospelka produces a compact set of smooth tubers. Known locally as Red and Tan, each plant yields a fair number of tubers with reddish skin and, especially on young tubers, tan splotches. The considerable size of the blunt-ended tubers accounts for the excellent overall yield, while the relatively knob-free shape is popular with cooks. **Eco-grown in Maine. BACK!**

Z6902-A: 1# for \$15.00

Z6902-B: 3# for \$39.00

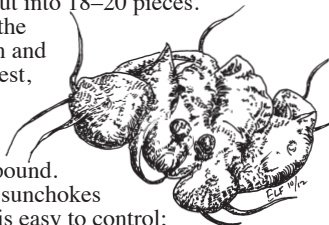
Growing Sunchokes

Store refrigerated until planting; do not allow tubers to dry out. Plant whole or cut into pieces with 1-2 eyes. Plant 3-4" deep, 12-14" apart.

One pound contains approximately 5 tubers, which can be cut into 18-20 pieces.

Depending on the growing season and when you harvest, tubers can reach 6" long, 3" across and weigh up to a pound.

Caution: plant sunchokes in an area that is easy to control; they will spread and are difficult to eradicate.



Amaryllis Hippeastrum

Originally from Central and South America and grows outdoors in Zones 9-10. We in frostier climes plant these easy-to-grow hybrid marvels indoors and enjoy blooms during the winter.

Remove the pollen-bearing anthers for a longer bloom time and a neater tabletop. With simple care and proper soil nutrients, amaryllis can return year after year. Planting and care instructions come with your order; you can also view them online: fedcoseeds.com/bulbs/amaryllis.htm

Amaryllis bulbs generally produce two or more flower stalks, each bearing 3-4 blooms.



Jumbo Amaryllis

Jumbo bulbs produce graceful 6-8" blooms. Bulbs from Peru tend to bloom earlier than those from Holland.

'Apple Blossom' - The classically graceful pastel beauty. White lightly brushed with streaks of pink, a bit more heavily brushed on the outer third of each petal. 18-20" tall. 36-38cm bulbs from Holland.

Z6911-A: 1 for \$26.00

Z6911-B: 3 for \$57.00

'Denver' - Brilliant gleaming white 5 1/2-6" petals with highly reflexed tips, and green throat. 20-24" tall. 36-38cm bulbs from Peru.

Z6912-A: 1 for \$17.50

Z6912-B: 3 for \$38.50

'Mandela' - Richly saturated deep red flower, almost maroon, with a velvety near-black center. Bold and sultry blooms highlighted by yellow-green stamens and anthers. 20-25" tall. 36-38cm bulbs from Peru.

Z6913-A: 1 for \$20.50

Z6913-B: 3 for \$45.50

more Jumbo Amaryllis, next page.

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Jumbo Amaryllis, continued:

'Minerva' - Large bright red flowers with a brilliant white six-pointed star emanating from the pale green throat. White striations between star shafts add a sense of distant galaxies. 20-24" tall. 36-38cm bulbs from Peru.

Z6914-A: 1 for \$17.50

Z6914-B: 3 for \$38.50

'Orange Sovereign' - Large tangerine-orange flowers with intense color saturation. 24-28" tall. 36-38cm bulbs from Peru.

Z6915-A: 1 for \$17.50

Z6915-B: 3 for \$38.50

'Olaf' - Big, bold and bright, just like the more famous Red Lion. A classic red amaryllis. 20-22" tall. 36-38cm bulbs from Peru.

Z6916-A: 1 for \$17.50

Z6916-B: 3 for \$38.50



Double Amaryllis

Doubled petals provide a rich lush appearance in a 6-8" bloom. Large flowers can be top-heavy; use a stake or heavyweight pot to maintain stability, or plant slightly deeper.

'Double King' - Bright crimson-red double blooms. Full of petals, flowers can reach 8" across. Superb. 20-24" tall. 36-38cm bulbs from Peru.

Z6917-A: 1 for \$20.50

Z6917-B: 3 for \$47.50

Miniature Amaryllis

The flower stalks are nearly as tall as other amaryllis, but the flowers are more delicate. Also less tippy!

'La Paz' - Spider-type with slender 5" petals. Upper petals dusky red and burgundy-streaked rose, with touches of light green. Lower petals pale green with red spots and streaks. Long luminous pale green anthers. Parentage includes Bolivian *H. cybister*. 18-24" tall. 26cm/up bulbs from Holland.

Z6918-A: 1 for \$29.75

Z6918-B: 3 for \$66.50



Plant Amaryllis between October and May for flowering between December and June

Store the bulb in a dry dark cool area (45-50°) until you are ready to plant.

A few hours before planting, fill a 10-14 oz. glass with lukewarm water. Place the roots in the water, set the bulb on the rim, and allow the roots to soak up some water.

Use a pot about 2" larger than the bulb. Place a layer of small rocks at the bottom of the pot to improve drainage. Cover the bulb to the "shoulders" with potting soil or compost. Press the soil firmly around the bulb.

Or, place the bulb in a clear vase with decorative stones or glass for ballast. Fill with water just high enough to keep the roots covered.

In the first few weeks, water sparingly. After the bud-stalk or leaves emerge, water more frequently. Direct sunlight and warm temperatures encourage proper growth. Amaryllis generally bloom 6-8 weeks after planting; the flowers last nearly 2 weeks.

Cut the flowerstalk close to the bulb after the flower fades. The leaves will continue to grow, and need regular sunshine in order to store enough nutrients to bloom again. Once the danger of frost has passed, the plant can go outdoors in the pot or into fertile well-drained soil.

In late summer, stop watering and let the leaves die back (or let the first light frost kill them). Before hard frost, dig planted bulbs, shake soil from roots, and bring potted plants inside. Keep dry in a cool dark place for 8-12 weeks to simulate dormancy.

Bring the bulb back to room temperature and begin watering again, about 6-8 weeks before the desired flowering time, and its cycle will begin again.

Late shipment! Items on this page ship in late October.

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Paperwhites *Narcissus tazetta*

Tall slender stems bear masses of fragrant delicate flowers. Must be grown indoors in Zones 1-6. Ziva, the muskiest paperwhite, is ready to grow, requiring no cold period; all others will bloom more reliably if allowed to start in a cool place.

Many people stagger their planting times to prolong the season. If you don't plant the bulbs right away, store them in a cool dry dark place—but don't lose track of them or you may find them growing in their bags. The longer you store them, the more quickly they'll bloom once in a pot. October plantings usually bloom in 4–6 weeks; February plantings in as little as 2–3 weeks.

'Chinese Sacred Lily' - *N. t. var. orientalis*
White petals with a golden yellow cup. Takes longer to root than other varieties and has fewer flowers, but its enchanting sweet fragrance is worth it. Having them blooming on the first day of the Chinese lunar new year is said to be auspicious. 16–20" tall. 16-17cm bulbs.

Z6921-A: 5 for \$9.00

Z6921-B: 25 for \$35.00

Z6921-C: 100 for \$120.00

'Erlicheer' - Creamy white petals with a highly doubled center flecked with yellow. Reminiscent of Cheerfulness both in appearance and fragrance, and pronounced *Early Cheer*. As many as 20 florets per stem. These can be a little finicky, so be sure to root them at the colder end of cool (45–50°) for best performance. 12–14" tall. 16-17cm.

Z6922-A: 5 for \$9.00

Z6922-B: 25 for \$35.00

Z6922-C: 100 for \$120.00

'Grand Soleil d'Or' - French heirloom "Great Golden Sun" has medium golden-yellow petals and an orange cup. Light fruity scent. Takes a couple of weeks longer than Ziva to bloom. 12–14" tall. 13-15cm.

Z6923-A: 5 for \$10.50

Z6923-B: 25 for \$38.00

Z6923-C: 100 for \$130.00

'Nir' - All-white blooms with a more moderate fragrance than Ziva, and slightly larger florets. Produces more stems per bulb than other types, and will hold longer than Ziva for your late plantings. 14–16" tall. 16-17cm.

Z6924-A: 5 for \$9.00

Z6924-B: 25 for \$35.00

Z6924-C: 100 for \$120.00

'Wintersun' - The most recently introduced of the paperwhites—not all of which are white. Small sunny yellow cups framed by overlapping bright white petals. Cups turn to cream as the bloom matures. Fragrance is lighter and less musky than Ziva. 14–18" tall. 16-17cm.

Z6925-A: 5 for \$9.00

Z6925-B: 25 for \$35.00

Z6925-C: 100 for \$120.00

'Ziva' - White flowers bloom early with strong musky spicy fragrance. Has the most flowers per stem, and is one of the quickest to bloom once planted. If you don't plant until late winter, you'll find them growing in storage! 16–18" tall. 16-17cm.

Z6926-A: 5 for \$9.00

Z6926-B: 25 for \$35.00

Z6926-C: 100 for \$120.00



Planting Paperwhites

For a full appearance, group five to eight bulbs in a container 6" in diameter. Plant in pebbles or marbles, keeping bulbs above the waterline, or plant in soil for longer-lasting flowers. Allow to root in a cool (45–60°) dry dark place, for about 3 weeks, checking water level often. Some plantings may need staking to support heavy flower heads.

Research from Cornell shows that adding water with 5% alcohol after the shoots are 1–2" tall stunts their growth slightly, enough to prevent top-heavy tippiness, but not stunt their flowering. To learn about pickling, go to:

- blogs.cornell.edu/hort/2009/11/10/pickling-your-paperwhites/
- hort.cornell.edu/miller/bulb/Pickling_your_Paperwhites.pdf

Bare-root Perennial Plants

We've chosen these varieties not just for beds and borders, but also because many can be used in woodland gardens, around trees, and other cool and shady places like we have in Maine. Plants that tolerate cool northern summers and perform well in our short summer season are invaluable.

Included in each heading or description:

- Approximate height at flowering time
- Relative bloom time
 - VE: very early spring
 - ES: early spring
 - MS: mid-spring
 - LS: late spring
 - ESu: early summer
 - MSu: mid-summer
 - LSu: late summer
- USDA hardiness zones
- Stock size



Perennial Plant Care

Upon arrival: These plants are bare-root. Please open your order immediately and check that the roots are firm and pliable, neither soft nor brittle. Plant as soon as possible.

If you cannot plant immediately, make sure roots are moist and store stock in a cool dark place for up to seven days.

Planting: Make the holes large enough that the roots are not crowded or spiraled. Add a bit of compost, leaf mold, or a small amount of balanced fertilizer, like Fedco's **Vegemighty** (available from our **Seeds & Supplies catalog**, or at fedcoseeds.com/ogs). Provide rich well-drained soil high in organic matter to hold moisture.

Plant to recommended depth and water well. Provide about 1" of water per week for a month after planting.

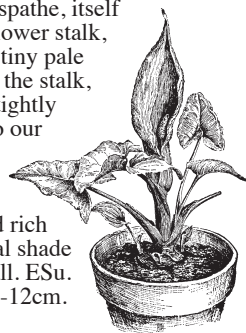
Arum italicum subsp. *italicum*

'Marmoratum' Italian Arum

A showy spike of berries is the final event for this three-season performer. Berries start green and turn orange then red in late summer. In spring, 10-14" arrowhead-shaped glossy green leaves with cream-colored veins emerge, followed in early summer by a pale greenish-yellow cape-like flower hood called a spathe, itself 6-16" long. The yellow flower stalk, or spadix, contains many tiny pale flowers tightly packed on the stalk, which give way to those tightly packed berries. Related to our native Jack-in-the-Pulpit; also called **Lords-and-Ladies**. Plant rhizomes 4-6" deep in well-drained rich moist soil, in full to partial shade to dappled sun. 12-18" tall. ESu. With protection, Z5-9. 10-12cm.

6301-A: 5 for \$12.00

6301-B: 25 for \$42.50



Corydalis solid - 'Beth Evans' Fumewort

Downward-swooping 3/4-1" flowers bloom mid-spring in clusters of up to 20 flowers riding just above or reaching out from amongst the foliage. Pinkish-mauve with streaks of lighter color along the lower portion and mouth of each tubular spurred flower, darker pink at the upward-angled tail spur. Deeply lobed palmate or fern-like grey-green leaves. Goes dormant in summer.

The genus name comes from the Greek for 'crested lark,' and the common name from its former genus *Fumaria*, smokeplant. Species native to northern European deciduous forest understories in partial shade and rich well-drained humusy soil. Moisture tolerant and deer-proof. Plant 4" deep and 4-5" apart. 8-10" tall. MS, Z5-8. 6cm/up.

6302-A: 5 for \$6.00

6302-B: 25 for \$20.00



Flower Genus	Distance Apart	Planting Depth	Sun/Shade	Tolerates Damp?
ARUM	5-7"	4-6"	shade	
CORYDALIS	4-5"	3-4"	shade	yes
DICENTRA	24"	2-4"	shade	yes
HEMEROCALLIS	12-18"	to 1"	sun	
HOSTA	24-48"	1-2"	shade	yes
IRIS, bearded	6-18"	to 1"	sun	
IRIS, siberian	6-15"	2-3"	sun	yes
MERTENSIA	15-18"	3-4"	shade	yes
PEONIA	24-36"	to 1"	sun	

• Planting Depth is the approximate amount of soil above the top of the plant stock. Use deeper depths for colder areas and in sandy soils.

• See individual descriptions for additional planting information.



Bleeding Heart *Dicentra spectabilis*

Graceful racemes arch over clumps of attractive foliage. Distinctive heart-shaped flowers dangle in a row on each raceme like charms on a bracelet. Also called Lyre Flower, its genus has been updated to *Lamprocapnos*. Hardy long-lived perennial thrives in rich moist well-drained soil and full to partial shade. Will tolerate full sun in cool climates if given adequate moisture. Established plants can grow up to 3' wide. Plant 2–4" deep, 24" apart. Blooms early to mid spring, goes dormant in summer. ES-MS, Z3. 2–3 eyes.

Old-Fashioned Bleeding Heart - Fuchsia-pink flowers with white inner petals forming a droplet visible beneath the heart. A spring classic. 30–36" tall.

6311-A: 1 for \$5.50
6311-B: 3 for \$13.50
6311-C: 12 for \$41.00

***Dicentra* 'Alba'** - Lovely pure white flowers dangle from each raceme. 30–32" tall.

6312-A: 1 for \$7.00
6312-B: 3 for \$15.00
6312-C: 12 for \$52.00



Interplanting with Bleeding Heart

Bleeding heart blooms early-to-mid spring, filling the empty spaces with a fountain of beauty before going dormant in summer. Ours is planted here and there in a mixed perennial garden where shoots of globe thistle and fireweed begin to emerge and grow up through the loose bleeding heart branches. We have friends who've lined the woodland path to the outhouse with both white and pink bleeding heart—a truly charming passage to the privy.

It pairs dramatically with nearby purple tulips like **Purple Prince**, followed by a later-blooming "black" tulip like **Queen of Night** or a white like **Maureen** (which we've offered in the past).

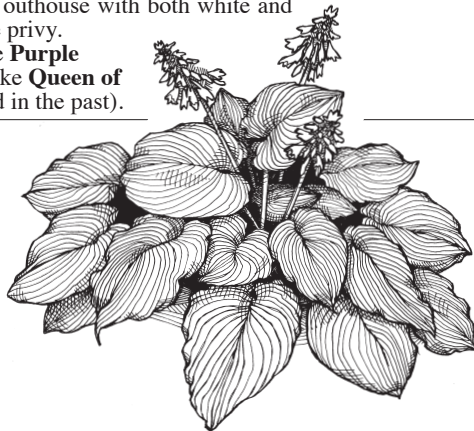
Hosta

Valuable and cherished low-maintenance plant provides shade-loving groundcover from spring to frost. Bold foliage forming orderly mounds bears sprays of fragrant bell-shaped flowers on tall stalks. With their varying colors, textures and clump sizes, hostas alone under trees can make a woodland garden.

Hostas are harvested in Japan as a 'mountain vegetable' or *sansai*. Like fiddleheads, the young shoots are boiled or braised. The larger leaves can be used as a substitute for spinach in spanokopita, for example, or for grape leaves as wrappers for dolmas.

Hostas tolerate a wide range of soil conditions but need moisture. Blue and variegated leaves develop their best color in shade. Deep shade gives fewer flowers. Plant 2–4' apart in rich soil with adequate humus. Cut flower scapes after blooms fade to encourage plant growth. Disturb clumps as little as possible; they improve with age as they spread and establish. Z3-8. 2–3 eyes.

Note: Our hosta have been dug "green" and the growers keep 2–3" of foliage attached to protect the crown during shipping. It may give the appearance of a soft crown. This is the same as what the plant would do naturally when senescing in the fall.



'Blue Angel' - Very large oval blue-green leaves, up to 16" long and 12" wide! Pale lavender to white flowers on scapes to 48" bloom midsummer. Foliage will develop best blue color in light shade. Plants mature to 32–36" tall and 44–48" spread.

6321-A: 1 for \$7.00
6321-B: 3 for \$15.00
6321-C: 12 for \$52.00

'Patriot' - Deep kelly-green leaves with glistening streaky white edges. Lavender flowers on 26–30" flower stalks in midsummer. Leaves to 7" long and 3–4" wide. Plants mature to 18–22" tall and 26–30" wide.

6322-A: 1 for \$7.00
6322-B: 3 for \$15.00
6322-C: 12 for \$52.00



Siberian Iris - *I. siberica*

Beardless flowers float above the foliage. Slim yet sturdy stems bear up to 5 blooms, good for cutting. Tall slender foliage in clumps looks great all summer grouped in borders or naturalized in colonies. Hardy, low maintenance, easy to grow; tolerates clay or poor dry soil, but performs best in rich moist acid soil. Plant 12–15" apart in full sun or partial shade, with rootstock just below soil level. Give them room to spread; divide tight clumps and clumps with open centers (you may need an axe). LS-ESu, Z3-9. 2-3 fan.

‘Butter and Sugar’ - Creamy white standards with Jersey butter-yellow falls. Their 2' stems make especially good cutting. When Maine iris breeder Dr. Currier McEwen introduced Butter and Sugar in 1970, it was the world's first yellow Siberian iris; won multiple awards and is still the yellow standard. 26–28" tall.

6331-A: 1 for \$5.00

6331-B: 3 for \$10.00

6331-C: 12 for \$35.00

‘Caesar’s Brother’ - Beautiful velvety deep rich cobalt blue lightly touched with white on the signals and gold on the hafts. Lots of pictures online make it look quite purple, but it's not. An old favorite, ever-popular for its incredible vigor and color. 36–42".

6332-A: 1 for \$5.00

6332-B: 3 for \$10.00

6332-C: 12 for \$35.00

Dwarf Iris, see page 19.
Find Bearded Iris
on our website.

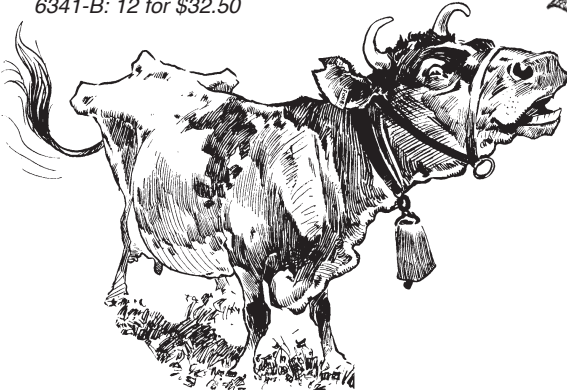
Mertensia pulmonarioides

Virginia Bluebells

Clusters of nodding bell-shaped flowers held above veined oval leaves. Pink buds open to sky-blue or purple-blue flowers that look like those of Pulmonaria (lungwort). Clump-forming plant with erect stems is beautiful in shade displays with ferns, with bleeding hearts, with daffodils or squill. Also called **Virginia Cowslip**; was formerly *M. virginica*. Prefers moist lowlands and slightly acidic woody soil in part shade. Dormant in summer. Native to eastern North America, nursery propagated. 18–24" tall. MS, Z3-8. #1 transplants.

6341-A: 3 for \$9.50

6341-B: 12 for \$32.50



See more bluebells,
page 35.



Discounts on orders
received by
August 5, 2022:
take 5% off at \$100,
10% off at \$300,
15% off at \$600,
20% off at \$1200.

Peonies *Paeonia lactiflora*

Reliable, long-lived hardy herbaceous perennials. The species, a medicinal in China, is native from Tibet to Siberia. Maroonish-red to forest green shoots appear in mid spring, and form a bushy clump—about 3x3' when mature—of lustrous dark green deeply lobed foliage.

Fat spherical buds on sturdy stems above the foliage gradually open from late spring to early summer. Huge flowers are stunning on the bush and wonderful when cut. Ants on peony buds are normal, so leave them alone; if you're trying to bring cuts indoors, dunk them in a bucket of water to rinse off the ants.

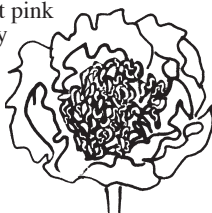
Plant 2–3' apart with eyes no more than 1–1½" below the surface in deep, fertile, moist but well-drained soil, in full sun to partial shade. May take 3–5 years to establish before blooming, and resents being disturbed during that time. LS-ESu, Z3-8. U.S.-grown roots with 2-3 eyes.

'Benjamin Franklin' - Like its namesake, this peony is a very hardy late bloomer. A substantial double, deep red with slight lavender tinge, this 1907 cultivar had been hidden in the archives for decades and is now appreciated again for its prolific blooms and tantalizing fragrance. 20–24" tall.

6351-A: 1 for \$8.75
6351-B: 3 for \$23.00

'Bowl of Beauty' - Sublime bicolor "Japanese" or "anemone" flowers up to 8" wide, with pastel rose-red petals inside and soft pink outside. Large pouf of creamy yellow staminodes in the center. 24–30" tall.

6352-A: 1 for \$9.75
6352-B: 3 for \$25.00



'Duchesse de Nemours' - Syn. **'Mrs. Gwyn Lewis'**. Early for a peony, the Duchesse produces fully double 5–7" flowers with spreading outer petals completely mounded over with lush white fragrant ruffled inner petals. Center petals are lit from within by their luminous yellow base. A sturdy and vigorous cultivar. 28–32" tall.

6353-A: 1 for \$16.00
6353-B: 3 for \$38.00

'Koppius' - Deep rich carmine to purplish-red bowl-shaped fully doubled very large flowers bloom in the middle of peony-blooming season. Heady fragrance in the garden. 20–24" tall.

6354-A: 1 for \$9.75
6354-B: 3 for \$25.00

'Sarah Bernhardt' - Fragrant flowers open light rose-pink. Matures to a more delicate pink with a slight creamy-silvery edge. Richly full, but not crammed, double flowers, 6–8" across, appear late in the peony season. 32–36" tall.

6355-A: 1 for \$7.50
6355-B: 3 for \$19.00

'Shirley Temple'

Highly fragrant large fully doubled flowers up to 8" across. Pale pink as they emerge, lightening to white as they mature. Early to mid peony-blooming season, long lasting, very strong stems, no staking required, good cutflower as well as dried. 32–36". **BACK!**

6356-A: 1 for \$9.00
6356-B: 3 for \$23.00



Flowering Onion *Allium*

This large genus is characterized by small six-petaled florets held in umbels—large or small, loose or tight. Sweet-smelling blooms make great fresh cutflowers or dried winter arrangements whether you cut them before

or after the green seed pods form. Alliums

prefer full sun and well-drained soil.

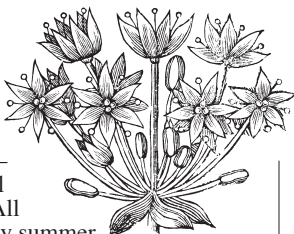
Most repel slithery, winged and legged

pests—including deer—and only if crushed will

they smell like onion. All

types late spring to early summer

(LS-ESu), except where noted.



Low-growing Alliums

A. caeruleum - Blue of the Heavens

Gorgeous flax-blue florets form a dense 1½" umbel. Hardy variety from Siberia formerly called *A. azureum*, gradually forms large clumps. Feed in early spring to promote leaf and bulb growth; leaves die back in spring before flowering begins. 12–16" tall. Z3-8. 5cm/up.

6401-A: 10 for \$5.00 6401-B: 50 for \$20.00

6401-C: 200 for \$67.00

A. moly - Lily Leek - Bright yellow 2–3" upright umbels, naturalizing easily in sunny borders, rock gardens, light woods and under shrubs. Called **Golden Garlic** in some locales. Produces many bulblets which mature quickly. Grows wild in southern Europe where it was used for centuries as a talisman. 6–8" tall. Z3-8. 5cm/up.

6402-A: 20 for \$6.75 6402-B: 100 for \$25.00

6402-C: 400 for \$80.00

A. oreophilum - Pink Lily Leek - Bright fuchsia-rose florets with darker midribs, in a 2" semi-loose umbel. Lightly fragrant florets are larger than those of most other types. 8–10" tall. Z3-8. 5cm/up.

6403-A: 20 for \$11.25 6403-B: 100 for \$40.00

6403-C: 400 for \$128.00

A. trifoliatum 'Cameleon' - Bright rosy-pink florets change to white with rose midribs over time. Many show both colors at once, giving an overall pale pink apple-blossom effect. Species from northern Italy and southern France; variety also spelled 'Caméléon', French for *chameleon*. 10–12" tall. Z5-9. 4cm/up.

6404-A: 10 for \$7.00 6404-B: 50 for \$28.50

6404-C: 200 for \$100.00

Small Allium Mix - A fragrant mix of three of the smaller alliums, in yellow (*A. moly*), rose (*A. oreophilum*), and white (*A. neapolitanum*). If fed and happy, will spread over time. 6–16" tall. Z4-8. 4cm/up.

6405-A: 20 for \$5.00 6405-B: 100 for \$20.00

6405-C: 400 for \$67.00

Medium-height Alliums

A. cristophii - Star of Persia - The largest flower umbel of the genus, though not as dense as others, giving it a light airy appearance. Starry silvery pink-violet 1½–2" florets form an 8–12" sphere which stands out in the garden and makes excellent cuts. 18–24" tall. Z4-8. 12–14cm.

6406-A: 5 for \$7.00 6406-B: 25 for \$25.00

6406-C: 100 for \$85.00

'Graceful Beauty' - White florets have pink mid-ribs and stigma, with lavender anthers. Medium-dense 2" ball laden with florets looks mostly white, but en masse gives hints of pale pink and lilac. Parentage includes *A. amplexans*. 14–18" tall. Z4-9. 6cm/up.

6407-A: 5 for \$5.50 6407-B: 25 for \$22.00

6407-C: 100 for \$75.00

A. hollandicum 'Purple Sensation' - Dense 3–4" ball of deep violet-purple florets on sturdy stems. Wonderful as a cutflower, or lined along a walkway, or grouped in a border. 24–36" tall. Z4-8. 12cm/up.

6408-A: 10 for \$10.00

6408-B: 50 for \$36.50

6408-C: 200 for \$130.00



Interplanting with Flowering Onions

Tall flowering onions like **Globemaster** and **Mount Everest** give vertical contrast and charm to any perennial garden. They look great in full sun in front of rangy rose bushes and will fade later as the nearby woodies fill out. We have a mass of *Anemone canadensis* that seems to tolerate the big alliums poking up through and then later melting back into the ground.

A. siculum - Sicilian Honey Garlic - This rugged beauty bears up to 30 delicate pendent bell-shaped 1/2-1" flowers on 2" pedicels, forming 4-5" spreading umbels, at the top of slightly arching stems. The cream-colored florets are tinged purplish-rose. Sharply keeled 12-16" blue-grey twisting basal leaves smell like garlic only when crushed. Former botanical names include *Allium bulgaricum* and *Nectaroscordum siculum*. Native from Provence and Sicily, along the north shores of the Mediterranean, and up into Bulgaria, where it is used as a seasoning. Plant in sun to semi-shade. 24-36" tall. Needs protection to overwinter in colder zones. Z5-9. 8-10cm.

6409-A: 10 for \$5.50
6409-B: 50 for \$22.00
6409-C: 200 for \$75.00

A. sphaerocephalon - Drumsticks

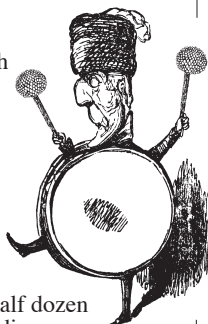
Dense ovoid 1-2" heads have a haunting color that's hard to describe: burgundy, dark reddish maroon, or maybe violet-red. Blooms lasted nearly a month in one cool moist Maine spring. Wonderful poking up through daylily foliage. 20-30" tall.

E-MSu, Z4-8. 5cm/up.

6410-A: 20 for \$6.25
6410-B: 100 for \$25.00
6410-C: 400 for \$80.00

Wild About Alliums Mix A half dozen or more kinds of medium to medium-tall alliums in colors of violet, purple, blue and white; 2-4" sweet-scented umbels in early summer. 16-33" tall. Z4-8. Topsize bulbs.

6411-A: 10 for \$11.75
6411-B: 50 for \$44.50
6411-C: 200 for \$155.00



Tall Alliums

A. giganteum - Giant Onion

Densely packed 5-6" head of violet-purple florets opens atop a 3 1/2-4' sturdy flower stalk. The tallest allium, it needs shelter from strong winds. A spectacular cutflower; cut it short for a tabletop or long for a floor vase. 40-48" tall. E-MSu, Z4-9. 18-20cm.

6412-A: 1 for \$12.00
6412-B: 3 for \$26.50
6412-C: 12 for \$93.00



'Globemaster' - Hundreds of deep lilac florets form a dense 6-8" ball. Magnificent long-lasting sterile flowers never fail to impress. Makes a remarkable dried flower for winter arrangements. Complex hybrid includes *A. cristophii* and *A. macleianii*. 30-40" tall. E-MSu, Z4-8. 20cm/up.

6413-A: 1 for \$13.50
6413-B: 3 for \$34.00
6413-C: 12 for \$119.00

'Mount Everest' - Like a giant 6" snowball on a stake. Sturdy, vigorous, and long-lasting, it's the best all-white tall allium. Really shines. Pure white form of Mars, itself a selection from *A. stipitatum*. 36-48" tall. E-MSu, Z4-8. 18cm/up.

6414-A: 1 for \$8.50
6414-B: 3 for \$22.00
6414-C: 12 for \$76.00

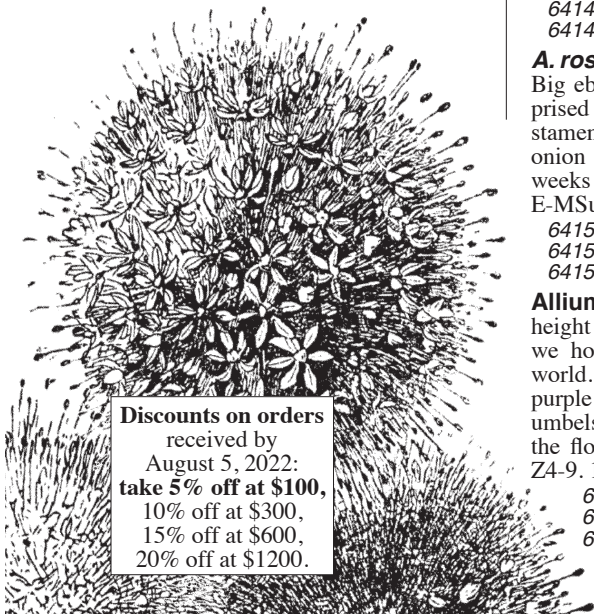
A. rosenbachianum - Showy Persian Onion

Big ebullient 4-5" dark-violet flowerheads comprised of up to 50 starry florets with delicate white stamens. Extend the bloom time of your flowering onion patch, with blossoms opening around two weeks earlier than other large alliums. 24-36" tall. E-MSu, Z4-8. 10cm/up. **NEW!**

6415-A: 3 for \$8.00
6415-B: 12 for \$28.00
6415-C: 48 for \$85.00

Allium Giants Mix - With up to five medium-height to extra-tall flowering alliums in this mix, we hope you enjoy these giants of the allium world. Mix includes white, red-violet, purple, and purple with white highlights. Tight or semi-tight umbels. Green seed pods add vibrant contrast as the flowers mature. Grows 32-60" tall. E-MSu, Z4-9. 10-20cm.

6416-A: 3 for \$23.25
6416-B: 12 for \$72.00
6416-C: 48 for \$250.00



Discounts on orders
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August 5, 2022:
take 5% off at \$100,
10% off at \$300,
15% off at \$600,
20% off at \$1200.



Spring Crocus

A classic for early spring color that also provides early food for bees. One of the most popular genera, they are welcome precursors of spring—colorful, long-lived, and easy to grow.

Their waxy coat allows them to bloom even through a late snow. Flowers open wide in bright sun and close up at night and on grey days. Once established, crocus can spread by “cormlets” and seed in well-drained areas. Foliage of low-growing varieties fades before the grass needs mowing.

Species Crocus Mix A mix of types and colors, mostly *Crocus chrysanthus* with some of the other small, low-growing species as well. 2–4” tall. VE, Z3-8. 6cm/up.

6421-A: 20 for \$6.75
6421-B: 100 for \$26.00
6421-C: 400 for \$88.00



Snow Crocus *C. chrysanthus*

The best-known small crocus species. Up to 4 fragrant flowers per corm, with rounded petals. Native to Greece, Turkey and the Balkans. 3–4” tall. VE, Z3-8. 5cm/up, except where noted.

‘Blue Pearl’ - Pale blue petals with a bronze base outside, pearly white and pale blue inside with a yellow base. 6cm/up.

6423-A: 20 for \$13.00
6423-B: 100 for \$49.00
6423-C: 400 for \$152.00

‘Cream Beauty’ - Light eggnog cream with a slightly darker base and orange stamens. Not one of the usual colors, but plays well with others.

6424-A: 20 for \$13.00
6424-B: 100 for \$49.00
6424-C: 400 for \$152.00

‘Dorothy’ - Bright deep orange-yellow inside with a light feathering of bronze on the base outside. 6cm/up.

6425-A: 20 for \$9.50
6425-B: 100 for \$33.00
6425-C: 400 for \$112.00

‘Prins Claus’ - White petals brushed with dark violet on the outside, white inside with bright orange stamens.

6426-A: 20 for \$13.00
6426-B: 100 for \$49.00
6426-C: 400 for \$152.00

‘Snow Bunting’ - Winter white with gold stamens, very lightly feathered grey-blue on the outside. Lightly fragrant.

6427-A: 20 for \$13.00
6427-B: 100 for \$49.00
6427-C: 400 for \$152.00

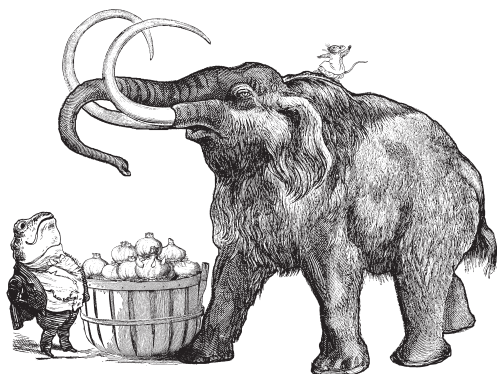
The Low Border Collection - Ninety bulbs to brighten up your spring with this early border for 3–8 sq.ft. Crocus, dwarf iris, snowdrops, squill and more create early spring color to tuck into a corner, naturalize, or overplant into an existing bed. Ten bulbs each of: Jumbo Crocus mix, Species Crocus mix, *Iris danfordiae*, *Iris reticulata* ‘Dark Blue’, *Chionodoxa forbesii*, *Eranthis cilicica*, *Galanthus nivalis*, *Puschkinia scilloides*, *Scilla siberica*. Most will slowly spread and fill in over time. Each variety is individually packaged and labeled; all bulbs are Topsize (except where noted). Planting suggestions accompany each. We reserve the right to substitute a similar variety should one become unavailable. 90 bulbs. 3–8” tall.

6422-A: 1 collection, 90 bulbs, for \$33.00



Where's the Fall-blooming Crocus?

Find it on our website, along with Bearded Iris and Daylily, which all need to be shipped a little earlier than our main season.



‘Yellow Mammoth’ - *C. x luteus* (*C. flavus* x *C. angustifolius*) - The classic big yellow, the most popular crocus variety for over 300 years. Also sold under the names Golden Yellow, Giant Yellow, and Grote Geele. Vigorous, 2–5 large flowers per corm. Sterile; spreads by offsets. Blooms slightly before the Jumbos, *C. vernus*, but often is grouped with them. 4–6" tall. VE-ES, Z3-8. 8-9cm.

6428-A: 20 for \$14.00
6428-B: 100 for \$52.00
6428-C: 400 for \$184.00

‘Tricolor’ - *C. sieberi* sbsp. *sublimus* f. *tricolor* Golden-orange throat banded with white makes a vivid center in these bright lilac-blue blooms. Sublimely striking whether in the garden or forced indoors. Sometimes the flowers emerge before the leaves; flowers open wide and starlike in the sun. One to three scented flowers per corm. Vigorous species native to Greece and Crete. 2–3" tall. VE, Z4-8. 5cm/up.

6429-A: 20 for \$9.50
6429-B: 100 for \$33.00
6429-C: 400 for \$112.00

‘Ruby Giant’ - *C. tommasinianus* - Purplish-red slender flowers with a lighter base and margins. Pointy petals, 1–2 flowers per corm, and a very pronounced white stripe on the leaves. Doesn’t compete well in grass, but easily reseeds itself and forms colonies in gardens. Large, almost as large as the Jumbos, vigorous and free-flowering. The most tolerant of moisture during the dormant period. Species called **Woodland Crocus**, native to Bulgaria and Dalmatia. 3–4" tall. VE, Z3-8. 5cm/up.

6430-A: 20 for \$8.00
6430-B: 100 for \$29.00
6430-C: 400 for \$95.00



Jumbo or Dutch Crocus *C. vernus*

While “jumbo” relative only to other crocuses, they are larger, slightly later than the smaller kinds, and are the most commonly grown. Good for bedding, naturalizing and forcing. Flowers do equally well in sun or partial shade. Divide every 3–4 years if needed to prevent overcrowding. 4–6" tall. VE-ES, Z3-8. 8-9cm.

‘Flower Record’ - Deep violet-mauve flowers with a purple base. Spreads readily. Popular since its introduction in Victorian times as **Crocus Purpurea Grandiflora**.

6431-A: 20 for \$15.50 6431-B: 100 for \$55.00
6431-C: 400 for \$184.00

‘Pickwick’ - Marble-white petals striped and tinged with lilac-purple veins.

6432-A: 20 for \$15.50 6432-B: 100 for \$55.00
6432-C: 400 for \$184.00

Jumbo Crocus Mix - Yellow, white, purple, blue and stripes, for large-scale naturalizing or border plantings.

6433-A: 20 for \$12.00 6433-B: 100 for \$45.00
6433-C: 400 for \$145.00



In his award-winning book *The Holistic Orchard* (available on page 46) Michael Phillips recommended planting crocus in the orchard to help attract and retain native orchard mason bees. Crocus provide a pollen source before the fruit trees bloom.

Hyacinth *Hyacinthus orientalis*

More popular than either tulips or daffodils 140 years ago, their heady fragrance and range of color make them a favorite in the spring. An old Persian proverb says that if you have two loaves of bread, you should sell one in order to buy hyacinths.

For best showing year after year, plant bulbs deep in rich well-drained soil in full sun and fertilize each fall. After the first year, the florets are slightly smaller and not as dense. Grow them in the border in close bunches or meandering drifts. Because a natural compound in the bulbs can cause "hyacinth itch," wear gloves during planting, and wash with cold water and plain soap after handling the bulbs. 8-12" tall. ES-MS, Z4-8. 15-16cm bulbs.

Discounts on orders

received by
August 5, 2022:
take 5% off at \$100,
10% off at \$300,
15% off at \$600,
20% off at \$1200.



'Delft Blue' - Rich soft porcelain blue. The classic hyacinth color that goes with everything. Named for the city of Delft in the Netherlands, where there's a factory that's been making blue porcelainware for more than 350 years.

6441-A: 3 for \$5.00 6441-B: 12 for \$16.50
6441-C: 48 for \$55.00

'Peter Stuyvesant' - Deep blue to royal purple. Strong sun fades many dark varieties, but Peter holds color well. Also bred for strong stems to withstand hard wind and rain.

6442-A: 3 for \$6.25 6442-B: 12 for \$21.50
6442-C: 48 for \$70.00

'Pink Pearl' - Deep rose pink with pale pink veins and edges. Very fragrant.

6443-A: 3 for \$5.00 6443-B: 12 for \$16.50
6443-C: 48 for \$55.00

'Woodstock' - Marvelous rich violet-red color with a hint of magenta, like a glistening cut beet. Very full flower and definitely a stand-out.

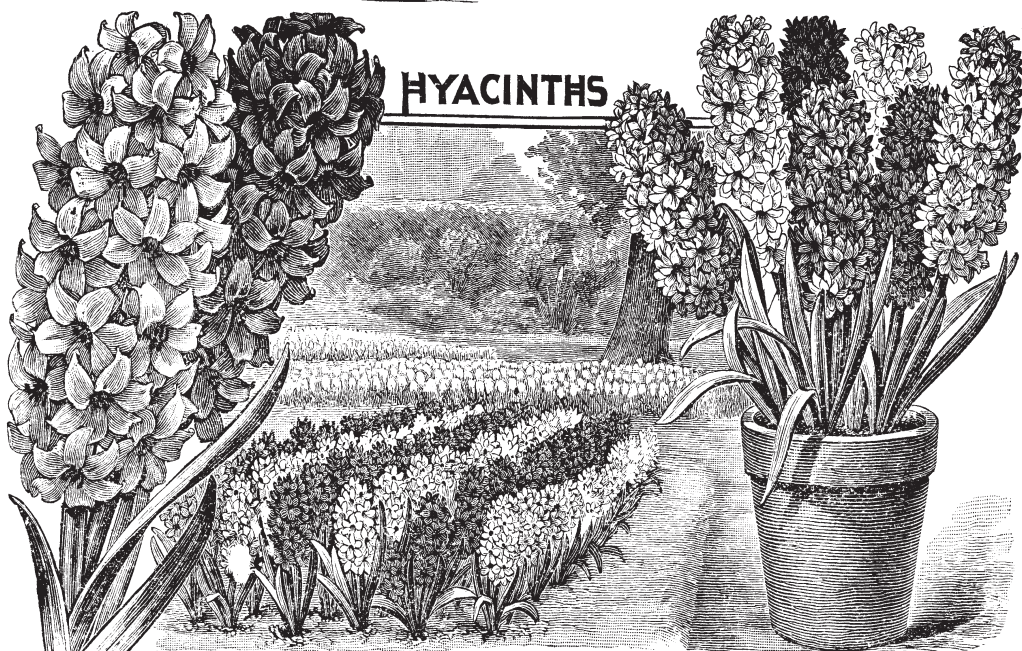
6444-A: 3 for \$6.25 6444-B: 12 for \$21.50
6444-C: 48 for \$70.00

'Yellowstone' - Pale yellow inside each floret, with a deeper forsythia-yellow on buds and backs of petals. This fragrant beauty makes an excellent complement to darker hyacinths.

6445-A: 3 for \$8.00 6445-B: 12 for \$23.00
6445-C: 48 for \$85.00

Hyacinth Mix - A medley of hyacinth hues — pink, purple, blue, red, white and peach.

6446-A: 6 for \$10.50 6446-B: 24 for \$30.00
6446-C: 96 for \$108.00



HYACINTHS



Dwarf Iris

Smaller delights, blooming very early spring, burst into color in the lawn, border or rock garden. Robust and hardy, spreading easily once established. Also good for forcing. Best in full sun and well-drained soil. Short leaves at flowering, later grow to 10–12". Plant 4" deep and 1" apart for maximum color splash.

***I. histroides* 'Katharine Hodgkin'** - Light blue standards with royal blue to purple striping. Pale lavender-streaked falls are highlighted by a yellow crest splashed with deep purple spots. Unusual, beautiful color combination. Flowers 3" across. 3–5" tall. ES, Z4-9. 6cm/up.

6451-A: 10 for \$7.75 6451-B: 50 for \$29.00
6451-C: 200 for \$104.00

***I. reticulata* 'Harmony'** - Velvety royal purple-blue falls with a yellow crest, and lavender-blue standards. Fragrant, long-lasting. 3–5" tall. VE-ES, Z4-9. 6cm/up.

6452-A: 10 for \$5.00 6452-B: 50 for \$16.00
6452-C: 200 for \$52.00

Dwarf Iris Mix - Four or more mini varieties from *I. danfordiae* and *I. reticulata*; a mix of colorful early spring standouts. 3–6" tall. 5cm/up.

6453-A: 20 for \$6.50 6453-B: 100 for \$24.00
6453-C: 400 for \$80.00

Interplanting with Dwarf Irises

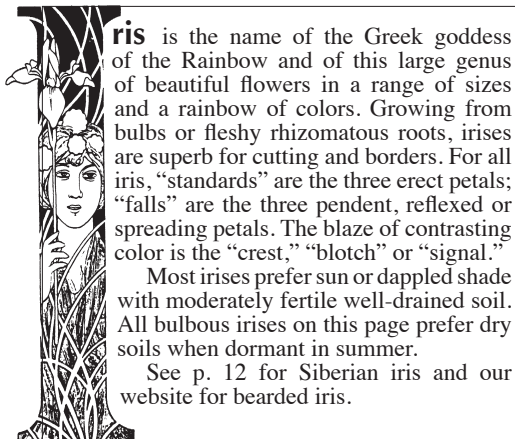
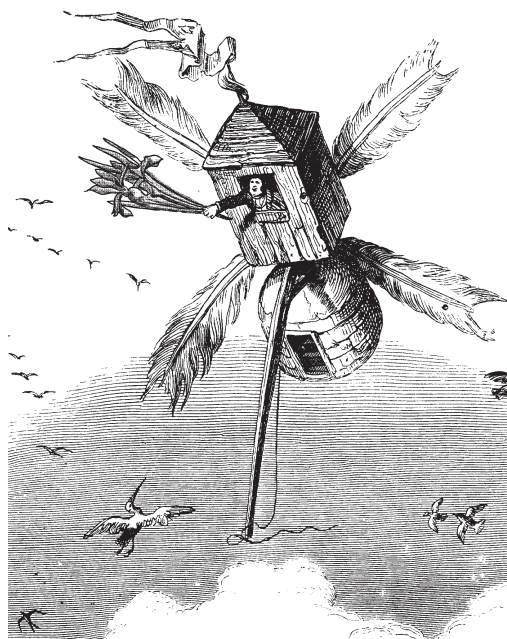
Dwarf irises bloom very early, around the time of crocuses. It's surprising how little-known these miniature blooms are! They fit in everywhere. Plant under shade trees and among creeping thyme. Actually, plant them anywhere with well-drained soil. Visitors to your garden will inevitably exclaim, What are those! when they first encounter these little charmers.

Dutch Iris *Iris x hollandica*

Slightly taller than dwarf iris, Dutch iris are a complex cross of *Iris xiphium*, *I. tingitana*, and *I. latifolia*. 8-9cm.

Dutch Iris Mix - Among the best cutflowers, with elegant airy blooms on stiff stems; cut when buds are plump. Lovely clumped in the border. Blue, white, ivory, yellow, mauve, violet and more. 16–24" tall. LS-ESu, Z5-8.

6454-A: 20 for \$8.75
6454-B: 100 for \$33.00
6454-C: 400 for \$104.00



Iris is the name of the Greek goddess of the Rainbow and of this large genus of beautiful flowers in a range of sizes and a rainbow of colors. Growing from bulbs or fleshy rhizomatous roots, irises are superb for cutting and borders. For all iris, "standards" are the three erect petals; "falls" are the three pendent, reflexed or spreading petals. The blaze of contrasting color is the "crest," "blotch" or "signal."

Most irises prefer sun or dappled shade with moderately fertile well-drained soil. All bulbous irises on this page prefer dry soils when dormant in summer.

See p. 12 for Siberian iris and our website for bearded iris.

Martagon Lilies

Lilium x martagon

The species is *the* Turk's Cap Lily—martagon comes from a Turkish word meaning 'turban.' Martagon hybrids, also called **Dragon Lilies**, feature recurved petals, often with marked spotting from the throat to the tips. The pendent flowers, on relaxed S-shaped pedicels branching from the central stalk, hang as if suspended in the air.

Martagons love filtered sunlight, or light to dappled shade, and brings welcome color to shady spots. Tolerates full sun only a few hours a day.

Plant martagons 12–18" apart in well-drained, even gravelly, slightly alkaline soil. Add compost or leaf mold, but no peat. Make the hole deep enough that the top of the bulb is about 4" below the soil. If you've got conifers, blueberries, or other signs of acid soil, a sidedressing of compost and lime after planting and each fall is beneficial.

Martagons don't like to be disturbed, and may appear to perform poorly or not at all the first season after transplanting, only to be fine in year two. After planting, mark the spot, mulch, then do not disturb. Refrain from poking around to check growth during year one, lest you set it back again. Established plants may put out up to 50 flowers. 30–32" tall the first few years, up to 48" in when established. E-MSu, Z4-9, 14-16cm.

'Claude Shride' - These 2½–3" reddish-maroon pendent flowers bear striking golden-orange anthers on rose filaments that extend well beyond the flower's face. Only slightly spotted. Petals recurve with an arch although not back into a tight pincushion shape.

6471-A: 1 for \$7.50 6471-B: 3 for \$20.00

6471-C: 12 for \$61.00

'Manitoba Morning' - Medium rose petals, front and back, with burgundy spots surrounded by yellow emerging from the center and covering much of the fronts of the petals except the tips. Recurved 2½–3" pendent flowers with showy coppery anthers. **BACK!**

6472-A: 1 for \$9.00 6472-B: 3 for \$24.00

6472-C: 12 for \$74.00

'Sunny Morning' - Burgundy to maroon freckles on a banana-yellow ground, these pendent 3" flowers have mildly recurved petals. Pale yellow on petal backs. No two flowers quite the same. Bring a stem into the breakfast nook to brighten up your morning.

6473-A: 1 for \$7.50 6473-B: 3 for \$20.00

6473-C: 12 for \$61.00

Use plants like daylilies, irises, lilies, or other later-emerging plants to help mask yellowing, dying leaves of early bulbs.

For other planting tips, info on sold-out varieties and late-added offerings, or to order online, please visit our website:

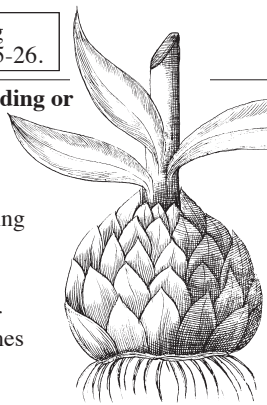
[fedcoseeds.com/bulbs](https://www.fedcoseeds.com/bulbs)



See bulb planting instructions, pages 25–26.

Included in each heading or description:

- Approximate height at flowering time
- Relative bloom time
 - VE: very early spring
 - ES: early spring
 - MS: mid-spring
 - LS: late spring
 - ESu: early summer
- USDA hardiness zones
- Bulb size



Planting Beyond the Flowerbeds

Bulbs in the Orchard

We don't really know how any of this stuff actually works, but we observe year after year that the most disease-free and thriving gardens and orchards are ones planted diversely. Bring in the good bugs, the birds and the moths with an assortment of blossoms from perennials and bulbs across the growing seasons.



Narcissus Rings We've mentioned this flower in our Trees catalog when we wrote about orchard companions—perennials that bring health and balance to our fruit-tree plantings. Daffodils deter mice and voles from girdling tree trunks, and the deer don't like them. Plant them tightly (bulb to bulb) in a ring about 12" from tree trunks. They bloom before the perennials and start to wilt and decline when the newly emerging plants are ready to spread out. We also plant our narcissus in clumps among the other orchard companions, which include comfrey, yarrow, mint, columbine, hyssop, Baptisia, cranesbill and daisies.

Garlic Galore We've been underplanting and interplanting garlic with fruit trees and ornamentals for years. It repels unwanted molds and fungi, as well as aphids, mites and borers. You can leave this garlic in the ground and let it scatter its bulbils to make a dense stand that can cozy up among other orchard companions.

We don't consider this garlic our prize stash for the larder—we still grow some in a regular garden bed. Alternately you could plant the garlic in a looser ring around a fruit tree and heavily mulch with rich compost so the heads sized up for a decent harvest.

Feeding the pollinators

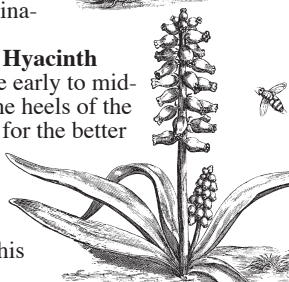
Planting for beauty is satisfying and some would argue (and we would agree) that ornamental plants are soul food that help make us right somehow. We who can wander in gardens are the lucky ones.

When the show-stopping plants also play a role in the ecosystem and have actual jobs—not just pretty faces to stare out—even better! With all this in mind, consider

Crocuses. Very early delightful whites, purples, creams and yellows emerging while the last snow falls on the robin's back. The bees will go nuts for these! Plant en masse and then plant more every year. They bloom when there is little else for pollinator forage.



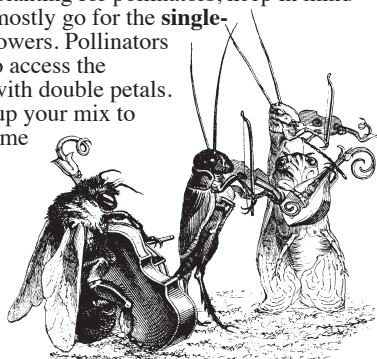
Muscari Grape Hyacinth follow, adding more early to mid-spring blooms on the heels of the crocuses. They last for the better part of a month and the bees seem to have no trouble climbing into the elongated bells of this adorable flower.



Corydalis solida Fumewort is another spring ephemeral that offers midspring nectar to our hummingbirds just returning from their long and arduous migration. Corydalis is an important wildflower genus that includes many species, like the *C. sempervirens* we sometimes see growing on rocky outcroppings in Maine. If you ever wander upon these in the later summer or early fall, collect a few seeds and scatter them in your garden bed. You won't regret it, and neither will the pollinators.

Apples, pears, plums and peaches are all blooming while the **Narcissus** are peaking. It's a great kickoff to start the summer insect party.

When planting for pollinators, keep in mind that they mostly go for the **single-petaled** flowers. Pollinators struggle to access the cultivars with double petals. So shake up your mix to include some of each.



Ordering Instructions

Order online at fedcoseeds.com/bulbs.

Or mail your order form with payment to:

Fedco Bulbs
PO Box 520
Clinton, ME 04927



- Use the 2022 order form; submit as many pages as you need using our exact format. Print an order form from our website to make this easier.
- Keep a copy of your order for your records.
- **We do not take phone or fax orders.**

Volume discounts apply to orders submitted by **August 5, 2022**, with subtotals of \$100 or more. Sorry, no volume discounts on later orders. See order form for details.

Group orders

To earn higher discounts and save on shipping, talk your neighbors into going in on an order. Group orders are processed as one order shipped to one address. Qualifying discounts apply to the group subtotal. To submit by mail, collect all order forms for your group, calculate the group totals onto an additional order form as your cover sheet, and send it all in with one payment. To submit online, visit:

fedcoseeds.com/bulbs/groups.htm

Substitutions

With live plant material, there are inevitably a few shortages. We find most people prefer getting bulbs and plants to getting a refund. There are two checkboxes on the order form: one to accept or decline a variety substitute, and one to accept Eco-grown garlic in lieu of certified organic. If you don't check anything, we assume that you mean Yes. When you indicate Yes to both, if a variety becomes unavailable, we will follow this protocol, *all subject to availability*:

- Substitute a flower of similar color, form and season.
 - Substitute a garlic of similar class and form.
 - Send Eco-grown garlic of the same or similar type.
- For all substitutions, we will refund any price difference.

See our guarantee on page 47.

Out of Stocks

We fill all orders on a first-come first-served basis. When we don't know about a shortage until the last minute, it's impossible to contact customers individually. We will issue you a refund. Please accept this as a condition of ordering.

Tax Exemption

Retailers and farms: We need a copy of your state resale certificate or farm exemption, otherwise we must collect sales tax.

- For mail orders, send us a photocopy of your certificate.
- For online orders, please email us at questions@fedcoseeds.com with a scan of your tax exemption certificate *before* placing your order.

Deadlines

- **Volume discount cutoff is Aug. 5, 2022.**
- **Final order deadline is August 19, 2022.**
- We fill orders in the sequence we receive them. If you want bulbs early, *please order early*.

Shipping & Rates

- We ship via FedEx or USPS Priority Mail; our choice unless you specify.
- Orders going to **Alaska, Hawaii, APO/FPO**, or a **PO Box** in any state *must* go Priority Mail. Please include a postal address.
- Sorry, no shipments to Canada. No Late Shipment (items beginning with **Z**) to Alaska.
- One shipping charge, no matter the number of shipments.

Shipping Schedule

Main Shipment will begin mid-September and end late October.

Late Shipment will be late October through early November (item numbers begin with **Z**, pp 7-9 only; shipped late even if you choose pickup).

Pickup Orders

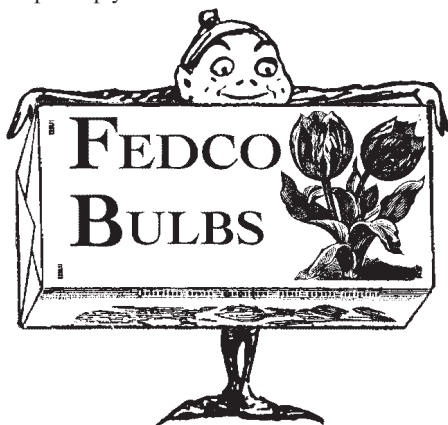
- We'll send an email or postcard in mid-October with your order number and pickup details. Pickups pay no shipping. You may pick up your order at our warehouse:

688 Bellsqueeze Rd, Clinton, ME.

- Late-shipment items (numbers begin with **Z**) are not available at pickup. We will ship them to you.

No Annual Bulb Sale

We will not be hosting our annual sale this year; however, there may be surplus stock for sale when you pick up your order.



**Questions?
Problems?**

Call us at (207) 426-9900
or send an email to
questions@fedcoseeds.com

Fedco Bulbs 2022

PO Box 520 Clinton, ME 04927
www.fedcoseeds.com/bulbs

Volume discount cutoff:
August 5, 2022
Final order deadline:
August 19, 2022

(From mailing label) CC-

Farm or Group Name

Name

US Mail Delivery Address

Town

St

Zip

Street Address (if different)

Town

St

Zip

Phone

Email

Delivery Options:

- ☐ **FedEx or Priority Mail (our choice)**
☐ **Mail** to PO Box, AK, HI, APO/FPO
☐ **Pickup** at our warehouse in Clinton, ME.
We will contact you in mid-October when your order is ready to pick up.

Substitutions (see p. 22):

I will accept a similar variety.
I will accept Eco-grown garlic.
(Applies to organic garlic only.)

Yes No

☐	☐
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Volume Discounts on orders received by 8/5/22

Subtotals \$100 and over	take 5% off
\$300 and over	take 10% off
\$600 and over	take 15% off
\$1200 and over	take 20% off

Subtotal from reverse =

.....Volume Discount -

1% Fedco Member Discount
from Subtotal (see web for info) -

Adjusted Total =

Ship To	Adjusted Total	Shipping Charge
Continental US	Up to \$100.00	\$12
	Over \$100.00	12% of Adj Total
PO Boxes, AK, HI, APO/FPO	Up to \$100.00	\$16
	Over \$100.00	16% of Adj Total

.....Shipping +

.....Sales Tax +

Grand Total =

Sales Tax:

ME addresses & all pickups	— Pay 5.5% sales tax on Adjusted Total
FL, MA, MD, UT, VA, WY	— Pay your local tax rate on Adj Total
CT, GA, IL, IN, KS, KY, MI, MN, NC, NJ, NM, NY, OH, PA, RI, TN, VT, WA, WI, WV	— Shipping is taxable. Pay your local tax rate on Adj Total + Shipping

Help support MOFGA!

- ☐ Donate all my refund to MOFGA
☐ Donate up to \$5.00
☐ Donate up to \$2.00

We accept Visa, MasterCard, AmEx, Discover – \$25 minimum, please.

Exp. Date

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Fedco Bulbs 2022

Use this form for all items.
Keep a copy for your records.

	Item #	Number of packages	Number of bulbs per pkg	Item Name	Price per package	Total Price
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
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18						
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20						
21						
22						
23						
24						
25						
26						
Subtotal						

8/5/22: deadline for discounts.
8/19/22: final order deadline.

Check up-to-date product availability, view photos
and order online at **fedcoseeds.com/bulbs**.

Planting Bulbs

All the varieties of outdoor bulbs we offer are suitable planted somewhere in Maine. With climate change, Clinton has been re-assigned from Zone 4 to Zone 5. Fifty miles to the west in the mountains is still Zone 3; and fifty miles east or south, along the coast, is now Zone 6 or higher. Local cold (or warm) pockets, northern slopes, hills and lakes can all affect your micro-climate, and may make the large-scale maps printed by the USDA inaccurate for your plot. Your cooperative extension service may have maps showing local zones. You can use rock walls and heavy mulch to shift conditions to your advantage.

Planning and Planting

Bulbs are easy to work with, very rewarding and forgiving. They look best planted in groups or clumps, naturalized in the sod, under trees, or in beds, borders or rock garden. If you plant en masse, a new bed can look more like an established planting. Good drainage is essential; bulbs will grow poorly or rot if too wet.

Prepare beds by mixing a bulb fertilizer, bonemeal and wood ashes, or other phosphorus and potassium sources into the soil below the level of the bulbs. We recommend our own **Vegemighty fertilizer mix**, available in our **Seeds & Supplies catalog**, or at **fedcoseeds.com/ogs**. It's free of animal byproducts, and also approved for organic growers (unlike the widely available Holland Bulb Booster). Mix in compost to lighten heavy soils and increase nutrients. Peat is acidic—use with caution.

Plant bulbs pointed side up; generally the depth of the hole is three times the bulb's height. See chart on page 26 for suggested planting depth and spacing. Topdress the bed with compost.

Mulch your bulbs with 4–6" of leaves, bark, straw, etc. after the ground freezes. If you plant them next to your house, it's especially important to use the higher amount or more, as basement heat and reflected sunlight will likely remove the insulating snow cover, exposing them too early to alternating sunny days and freezing nights and damaging their growth tips.

Wherever they're planted, bulbs need insulation. You need to mulch (or plant extra-deep) unless winter will provide a consistent heavy snow cover. A good mulch can also give protection up to half a hardiness zone, enabling you to experiment with bulbs not quite hardy in your zone.

Do not remove the mulch too early in the spring. By keeping the soil from thawing, mulch prevents heaving and false starts in early warm spells, and delays flowering slightly for a more uniform and longer-lasting display. Remove mulch as the growth tips begin to peek through, and dress the bed with compost or bulb fertilizer.

Pinch the blooms as they fade to discourage seed production and force the energy back into the bulb. This is especially important for tulips and hyacinths, which can otherwise lose their flowering vigor in 2–3 years.

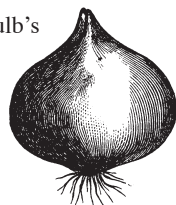
Do not cut the foliage as long as it remains green; it produces the food for the bulb's future blooms. Cut leaves only after they yellow. Sidedress with fertilizer or compost in late summer to midfall.

Troubleshooting

If squirrels, chipmunks or voles are a problem, try chicken wire or sharp gravel placed in the ground above and surrounding the bulbs. Blood meal repels many critters, but it may also repel people and attract dogs, skunks or raccoons. Or plant Narcissus, Allium, Fritillaria or Ipheion, which critters don't generally bother.

To disrupt squirrels' ability to "smell out" the bulbs in new plantings, we heavily dust the ground in those areas with black pepper and ground cloves right after planting in the fall and again in the spring when growth first emerges. The odor in the yard, reminiscent of chai, is a nice touch for us.

If after several years your bulbs produce leaves but not flowers, they may be suffering from overcrowding (dig in autumn, separate and replant), insufficient sun (move to new location), undernourishment (sidedress thoroughly) or marginal zone hardiness (give to a friend farther south).



Bulb Planting Chart

begins on page	Flower Genus	Distance Apart	Planting Depth
15	ALLIUM, large	6-14"	4-8"
14	ALLIUM, small	1-4"	3-4"
32	ANEMONE blanda ‡	3-4"	2-3"
32	CAMASSIA	6-10"	4-6"
33	CHIONODOXA	1-3"	3-4"
web	COLCHICUM *	6-9"	4"
16	CROCUS	1-4"	3-4"
33	ERANTHIS ‡*	2-4"	2-4"
33	FRITILLARIA, large *	8-10"	6-8"
34	FRITILLARIA, small	4-5"	3-4"
34	GALANTUS *	2-4"	3-4"
18	HYACINTH *	3-4"	5-8"
35	HYACINTHOIDES *	3-4"	3-5"
35	IPHEION *	1-3"	2-3"
19	IRIS, dwarf	1-4"	3-4"
19	IRIS, dutch	3-4"	6-8"
35	LEUCOJUM *	2-3"	2-3"
20	LILIUM *	6-10"	6-8"
35	LYCORIS	6-8"	4-6"
36	MUSCARI	2-4"	3-4"
27	NARCISSUS, Tall	4-6"	6-10"
27	NARCISSUS, Short	3-4"	4-6"
36	PUSCHKINIA	2-4"	3-4"
36	SCILLA	2-4"	3-4"
38	TULIPA, garden *	4-6"	6-10"
37	TULIPA, species	2-3"	3-4"

* See description for additional planting information.

‡ Corms: soak 8-12 hours before planting.

Use deeper depths for colder areas and when planting in sandy soils.



Narcissus

Daffodils are found around the foundations of abandoned homesteads because they return year after year as long as the soil is well drained and the foliage is not cut until it has completely died back. Deer and other critters will not eat them, as they are toxic to animals and people. Cheerful, reliable and dependable for beds, borders, cutflowers, forcing, and naturalizing.

Narcissus thrive in full sun and in dappled shade. Pink, orange and red varieties hold their color longest during cool wet springs. In a dry season, water late varieties in mid spring to ensure bloom. But for a few noted exceptions, Narcissus are hardy in Zones 3-8.

Narcissus Mixes

Mixes are landscape size, except where noted.

Pink Mix - Field-grown mix of lovely shades and shapes of pink cups with white petals, to last all season. Mostly Large Cups, with some Doubles and Split-Cups. May include 'Salomé' whose large cup opens yellow and turns soft pink with a golden rim. 12-18" tall. MS.

6501-A: 10 for \$12.00 6501-B: 50 for \$40.00
6501-C: 200 for \$135.00

Sunshine Mix - From some bright and creative mind comes this mix with sunny two-toned cups. Predominantly Large Cups, a mix of all color combinations, enhanced by cheery cup rims in red, orange or pink. An outstanding show of mid-season blooms. 14-18" tall. MS.

6502-A: 10 for \$12.00 6502-B: 50 for \$40.00
6502-C: 200 for \$135.00

Butterfly Mix - Shades of white, yellow, orange and gold, many with sunbursts of color radiating from bicolor coronas. Softly ruffled Papillon Split Coronas. 14-18" tall. MS-LS.

6503-A: 10 for \$12.00 6503-B: 50 for \$40.00
6503-C: 200 for \$135.00

Mixed Doubles - A round-robin mix of six or more Double narcissus varieties to ace the display, in the garden or on the tabletop, with perfect through-the-season performance. 12-18" tall. MS-LS.

6504-A: 10 for \$12.00 6504-B: 50 for \$40.00
6504-C: 200 for \$135.00

Fragrant Mix - A mix of sweetly scented hardy narcissus. Great for aromatic daffodil bouquets. Selected varieties, mostly Large Cup, Tazetta and Poeticus, to impart an inspiring fragrance to outdoor bowers and indoor vases. 14-18" tall. Bloom times will vary. MS-LS.

6505-A: 10 for \$8.00 6505-B: 50 for \$30.00
6505-C: 200 for \$100.00

Rockgarden Mix - Small varieties for borders and rockgardens provide a season-long banquet of blooms. Includes Jonquilla, Cyclamineus, Triandrus classes and more. 4-16" tall. ES-LS, Z4-9. Topsize by variety.

6506-A: 10 for \$8.00 6506-B: 50 for \$30.00
6506-C: 200 for \$100.00

Landscape Mix - If you're looking for a large splash of springtime inspiration that will last year after year, dig into our Landscape Mix, for naturalizing and borders. Mostly Trumpets and Large Cups, with hardy varieties from other classes. 12-18" tall. ES-MS.

6507-A: 10 for \$12.00 6507-B: 50 for \$40.00
6507-C: 200 for \$135.00

Ninety Days of Narcissus Mix - Need long-surviving freshness to brighten your spirits after a long, cold and grey winter? Keep a springtime narcissus patch blooming for up to three months with this mix of 15 early, midseason and late varieties. Yellow, white, cream, orange; solids, bi-colors and bi-colored cups. Sizes and shapes to feed your every need, in the garden or in the vase. An improvement on last year's **Sixty Days of Daffodils** Mix. 16-18" tall. ES-LS. **NEW!**

6508-A: 20 for \$24.00 6508-B: 100 for \$80.00
6508-C: 400 for \$270.00

The late renowned orchardist Michael Phillips recommended using daffodils in the orchard to deter mice and voles from girdling trees. Plant bulb-to-bulb in a tight circle about a foot away from tree trunks. For established trees, you may need to plant further from the trunk to work around the roots and get to proper planting depth.



— Short Narcissus —

‘Hawera’ - Pale lemon-yellow miniature has 5–8 flowers per stem, cup slightly paler than perianth. Dainty pendent flowers have an airy delicate appearance that evokes graceful dancing fairies or butterflies. Sweetly scented, one of the smallest and most versatile narcissus. During one cool rainy year, in a dappled shade spot, they opened a very late June 20. ADS miniature is named for the New Zealand town where the breeder was a doctor. 6–8" tall. LS. 5Y-Y.

6521-A: 5 for \$6.00

6521-B: 25 for \$22.50

6521-C: 100 for \$80.00

‘Jetfire’ - Long bright-orange ribbed cup, and reflexed golden-yellow moderately starry petals. Lightly scented, good for forcing, tolerates shade and makes a nice counterpoint to the large Trumpets blooming at the same time. Joanna’s decades-old clump explodes with hundreds of flowers. This fire really lights up the garden, and should burn a place in yours. 6–10" tall. ES. 6Y-O.

6522-A: 5 for \$6.00

6522-B: 25 for \$22.50

6522-C: 100 for \$80.00

Narcissus descriptions end with the American Daffodil Society code: Division number followed by Petal color–Cup color:

White, Yellow, Pink, Orange, Red, Green.

More than one letter for cup color describes color from base to rim.

All of our Narcissus are Topsize bulbs!

Topsized bulbs are the largest size available on the regular bulb market each season for each variety.

‘Sun Disc’ - Award-winning fragrant miniature has 1–3 flowers per stem. Rounded overlapping petals open just slightly paler yellow than the cup, and slowly mature to a Jersey cream. Wide disc-shaped buttercup-yellow cup is lightly ribbed, lightly frilled. At 6–8" tall, just right for pots or the front of the border. MS-LS. 7Y-Y.

6523-A: 5 for \$5.00

6523-B: 25 for \$17.50

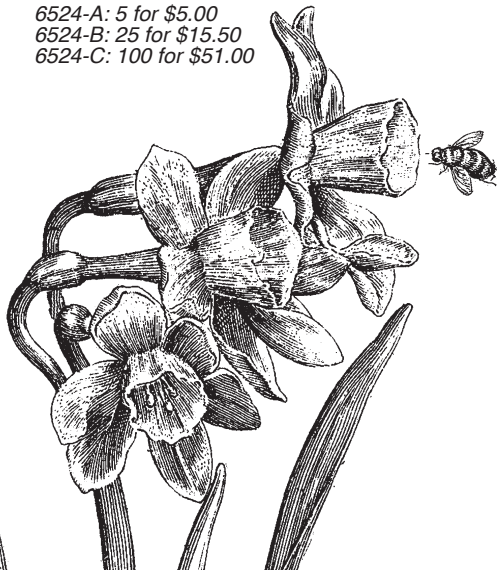
6523-C: 100 for \$57.00

‘Minnow’ - Small flowers with buttercup-yellow cups; spreading petals are white to pale yellow, depending on weather and season. Usually 3–10 flowers per stem, but can be up to 20. This diminutive Tazetta has a light sweet fragrance, nowhere near as strong as its cousins grown indoors, the paperwhites. Tolerates shade. ADS miniature. 6–8" tall. ES-MS, Z5-9. 8W-Y.

6524-A: 5 for \$5.00

6524-B: 25 for \$15.50

6524-C: 100 for \$51.00

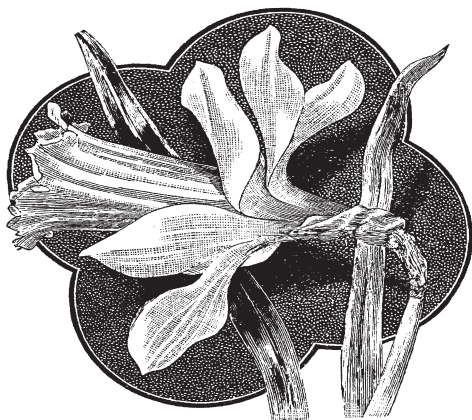


Divisions of Narcissus or Daffodils

All daffodils are classified into one of 13 divisions by the Royal Horticultural Society, international authority for *Narcissus*. The first 12 are all cultivars, the last is botanicals. Defining features include the number of flowers per stem; the size and shape of the flower's cup and its surrounding petals and the ratio between them; or evidence of traits from a parent species.

division name	flowers per stem	defining characteristics of flowers
1 Trumpet	1	corona (trumpet) as long as, or longer than, the perianth
2 Large Cup	1	corona (cup) more than 1/3 but less than the full length of the perianth
3 Small Cup	1	corona (cup) less than 1/3 the length of the perianth
4 Double	1+	doubling of perianth or corona or both
5 Triandrus*	~2+	pendent flowers with reflexed (back-swept) perianth
6 Cyclamineus*	1	highly reflexed perianth, usually a long cup, on a short neck (pedicel)
7 Jonquilla*	1-5	perianth spreading or reflexed, cup wider than long, fragrant
8 Tazetta*	~3-20	perianth segments spreading, not reflexed, small cup, fragrant
9 Poeticus*	1	white perianth, very small cup with a red rim and green or yellow eye; fragrant
10 Bulbocodium*	1	small insignificant petals, teacup corona
11 Split Cup	~1	includes Collar & Papillon (French for 'butterfly'); corona split more than half its length
12 Other	na	do not fit the definition of any other division, forms vary widely
13 Species	na	distinguished by botanical name; wild species and variants

*Cultivars in these divisions show characteristics from that species, e.g. *Narcissus triandrus*, *N. poeticus*.



— Trumpet Narcissus —

‘Dutch Master’ - The Trumpet Master has large yellow petals and a straight trumpet with a flared and notched rim. ‘King Alfred’, introduced in 1899, has the name, but this 1938 intro is just as prolific and slightly taller, with a longer bloom time, and more flowers per bulb. Blooms for nearly three weeks in a cool wet Maine spring. 18–20" tall. ES-MS. 1Y-Y.

6525-A: 5 for \$8.50

6525-B: 25 for \$34.50

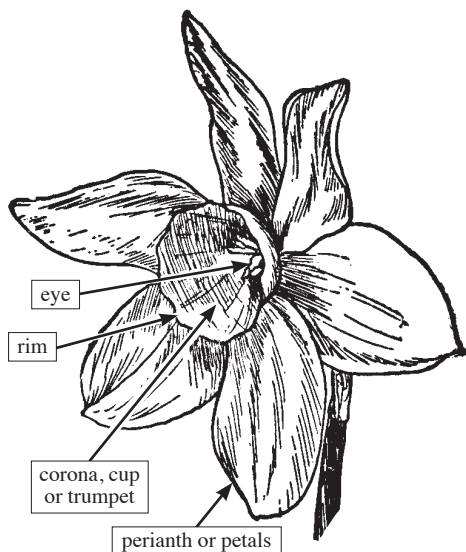
6525-C: 100 for \$120.00

‘Mt. Hood’ - Opens marble white to slightly pale yellow, and turns to pure white in a day or two. Broadly overlapping petals and a wide-mouthed wavy-edged trumpet. From 1938, this classic Trumpet is one of the finest white daffodils. 15–17" tall. MS, Z3-6. 1W-W.

6526-A: 5 for \$10.50

6526-B: 25 for \$42.00

6526-C: 100 for \$150.00



View color photos online.

— Large-Cup Narcissus —

‘Carlton’ - Yellow petals back a deeper golden-yellow cup nearly long enough to be a trumpet. Said to be the world’s most planted narcissus. Multiplies rapidly, and has a light vanilla fragrance. 18–20" tall. ES-MS. 2Y-Y.

6527-A: 5 for \$8.50 6527-B: 25 for \$34.50

6527-C: 100 for \$120.00

‘Cool Flame’ - Ruffled and flaring, the sun-fast coral-pink wide cup sets off sharply against brilliant cool-white petals. Long flower stalks hold the flowers well above the foliage. Reliable, long-lived perennial, and fabulous in cutflower arrangements. 16–18" tall. MS. 2W-P.

6528-A: 5 for \$7.00 6528-B: 25 for \$27.50

6528-C: 100 for \$85.00



‘Fortissimo’ - Huge impressive golden-yellow overlapping petals with a giant-sized lightly frilled cup which opens apricot and turns deep burnished orange. Enormous flowers are vigorous in full sun, providing armloads for your vase and wows from your friends. 18–20" tall. ES-MS. 2Y-O.

6529-A: 5 for \$8.50 6529-B: 25 for \$34.50

6529-C: 100 for \$120.00

‘Ice Follies’ - Heavily ribbed very wide flattened cup opens yellow, soon becomes creamy white, with a frilled and notched rim. Pure white perianth. The second-most popular narcissus worldwide. Good for forcing and naturalizing. 16–18" tall. ES-MS. 2W-W.

6530-A: 5 for \$8.50 6530-B: 25 for \$34.50

6530-C: 100 for \$120.00

‘Pink Charm’ - Ivory petals and a creamy white cup with a broad rim of deep coral-pink. Fluted cup has a ruffled rim to add to the charm. Some stems may have two flowers, unlike most members of this class. ADS Wister award in 2017. 16–18" tall. MS. 2W-WWP.

6531-A: 5 for \$9.50 6531-B: 25 for \$39.50

6531-C: 100 for \$125.00

‘Professor Einstein’ - Scarlet-orange cup is a broad, open disk with fine ridges and a lightly notched rim. Genius! Rounded overlapping brilliant white petals. Plant in partial shade for best color. Registered in 1946, the Professor won multiple awards in the 1950s. 12–18" tall. MS. 2W-R.

6532-A: 5 for \$7.00 6532-B: 25 for \$27.50

6532-C: 100 for \$85.00

fedcoseeds.com/bulbs



— Small-Cup Narcissus —

‘Altruist’ - Eye-catching red-orange shallow cup and unusual amber-tinted petals. Appealing color combination opens dark and gradually lightens. 1975 Award of Merit winner. 12–18" tall. MS-LS. 3O-R.

6533-A: 5 for \$8.50
6533-B: 25 for \$34.50
6533-C: 100 for \$120.00

‘Princess Zaide’ - Elegant specimen displays broad white overlapping petals and a small white cup. Shallow, strongly ribbed cup has a wide frilly rim and a green gleam in its eye. 16–20" tall. MS-LS. 3W-GWW.

6534-A: 5 for \$10.50
6534-B: 25 for \$42.00
6534-C: 100 for \$150.00

Daffodils in Mixed Arrangements

Daffodils make great cutflowers, and last a long time in the vase, but the freshly cut stems exude a sap that clogs the pores of other types of flowers. If you want a mixed arrangement, place the freshly cut daffodil stems in a container of cool water to soak for 10–12 hours before mixing them with others.



— Double Narcissus —

‘Obdam’ - One of the finest of the doubles and a Fedco favorite, named for a town in the province of Noord-Holland. Fragrant, showy 3–4" flower opens creamy with yellow high-lights, maturing to pure white. Growing this sport of Ice Follies is like having gardenia blooms in Maine in early May. 16–18" tall. MS-LS. 4W-W.

6535-A: 5 for \$6.00
6535-B: 25 for \$22.50
6535-C: 100 for \$80.00

‘Replete’ - Bright white 4" perianth with full frilly deep apricot-peach center interlaced with slender white “flyer” petals. This American-bred variety released in 1975 is outstanding. 15–18" tall, MS. 4W-P.

6536-A: 5 for \$9.50
6536-B: 25 for \$39.50
6536-C: 100 for \$125.00

‘Sir Winston Churchill’ - Double flowers 3" across are full of creamy white petals interspersed with orange flecks. Fragrant blossoms come 3–5 per stem. A sport of Geranium and a sturdy robust blast-resistant grower. Long-lasting in garden or vase. 14–16" tall. MS. 4W-O.

6537-A: 5 for \$8.50
6537-B: 25 for \$34.50
6537-C: 100 for \$120.00

‘Tahiti’ - Rich golden-yellow doubled perianth layered with lush bright gold and red-orange segments. Large long-lasting blooms with stand-out color and fragrance come as close to tropical exuberance as you’ll find in a New England spring. Bred in Ireland in 1956, Tahiti is a classic worldwide. 14–18" tall. MS-LS. 4Y-O.

6538-A: 5 for \$9.50
6538-B: 25 for \$39.50
6538-C: 100 for \$125.00

‘Yellow Cheerfulness’ - Double flowers, 2 1/2" across, 2–4 per stem, offer their sublime scent. Soft yellow rounded overlapping petals, with a loose ball of corona petals, slightly tucking inward, with subtle flecks of soft orange. This sport of Cheerfulness won its first of many awards in 1937. 14–18" tall. LS. 4Y-Y.

6539-A: 5 for \$8.50
6539-B: 25 for \$34.50
6539-C: 100 for \$120.00

Are they Daffodils, Jonquils or Narcissi? Yes!

A friend said he’d been confused by the different terms he’d heard to describe these familiar flowers.

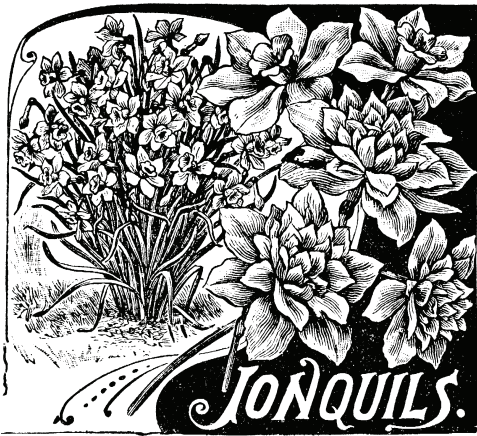
They are all in the genus *Narcissus*, so calling them that is perfectly fine, just as we say *Crocus* or *Iris*.

Narcissus, Narcissuses and Narcissi are all acceptable as the plural, so use the one you like.

‘Daffodil’ was first used in Wales and England to refer to certain wild forms. It is now used to refer either specifically to the Division 1 Trumpets, or generally to mean any type of Narcissus.

‘Jonquil’ is also used to refer generally to any type of Narcissus, especially in the South where jonquils thrive. Horticulturists use it to refer to the wild *Narcissus jonquilla* and its progeny, the Division 7 cultivars.

So, really, all of these terms are fine.



— Specialty Narcissus —



'Thalia' - Lightly fragrant flowers are milky white throughout; one of the few white narcissus to open with no yellow tones. Delicate narrow slightly reflexed petals and a lightly ribbed cup with a wavy rim. 2-3 flowers per stem (occasionally 4-5), and slender foliage. Nicknamed "the Orchid Narcissus," this award-winner is more outward-facing than other Triandrus. Registered in Holland before 1916 and named for the Greek muse of idyllic poetry, Thalia is a long-lived favorite of many gardeners. Excellent for forcing. 12-16" tall. MS-LS. 5W-W.

6540-A: 5 for \$7.00

6540-B: 25 for \$27.50

6540-C: 100 for \$85.00



'MartINETTE' - Bright carrot-orange short cup, ribbed with a wavy rim, completely surrounded by golden yellow overlapping petals stained pale orange at the base. This hardy outdoor Tazetta usually sends up multiple stems per bulb, with 4-5 highly fragrant blossoms per stem. 12-16" tall. ES-MS. 8Y-O.

6541-A: 5 for \$5.00

6541-B: 25 for \$17.50

6541-C: 100 for \$57.00



'Actaea' - Vigorous heirloom Poeticus variety from before 1919. Rounded glistening white petals surround a small shallow red-rimmed yellow cup. Large flowers with sweet fragrance. Performs much better in cool climates than warm and tolerates damp places other narcissus can't. Parent species *N. poeticus* was described by Virgil, and is the source of the narcissus oil used in perfumery. 16-18" tall. MS-LS. 9W-YJR.

6542-A: 5 for \$9.50

6542-B: 25 for \$39.50

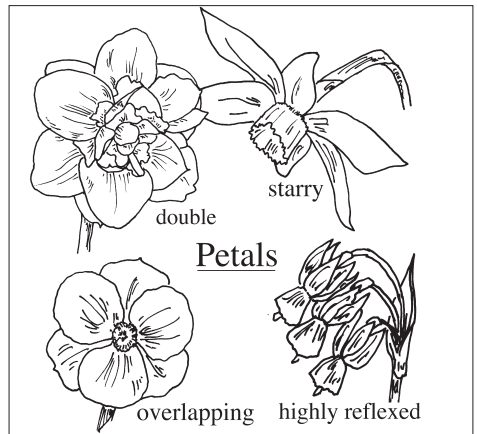
6542-C: 100 for \$125.00

'Congress' - A broad orange flattened split cup fronts overlapping rounded bright yellow petals with a hint of green in them. This outstanding Split Cup variety opens with a yellow-gold center and becomes more orange with time, making for an enticing contrast. 14-16" tall. MS. 11Y-O.

6543-A: 5 for \$8.50

6543-B: 25 for \$34.50

6543-C: 100 for \$120.00



Novelties & Specialties

The Royal General Bulbgrowers Association in Holland (KAVB) puts this large group of diverse flowers into a boring catch-all category: **Miscellaneous Bulbs**. The expensive catalogs call them accent bulbs; some call them minor or dwarf bulbs (even though some of the fritillaries are huge!); Louise Beebe Wilder covered most in her 1936 classic *Adventures with Hardy Bulbs*. Whatever you call them, most are sweet, colorful, and completely welcome in spring.

The Low Border Collection - Ninety bulbs to brighten up your spring with this early border for 3-8 sq.ft. Crocus, dwarf iris, snowdrops, squill and more **See full description on page 16.**

6422-A: 1 collection, 90 bulbs, for \$33.00

Grecian Windflower *Anemone blanda*

Enchanting short daisy-like flowers with 10-15 petals surrounding bright yellow centers. Does well as a ground cover in light shade and under deciduous trees. Forms compact clusters, with fern-like leaves. To break dormancy, soak corms in tepid water for 8-12 hours before planting 2-3" deep. Wild in southeastern Europe and Turkey, in scrub meadows and rocky crevices. 3-6" tall. ES-MS, Z5-9. 5cm/up.

'Blue Shades'

Rich mixed shades of blue and violet.

6601-A: 10 for \$5.00

6601-B: 50 for \$16.50

6601-C: 200 for \$58.00



Anemone blanda Mix

Lovely flowers in a mix of shades of blue, pink and white.

6602-A: 20 for \$6.50 6602-B: 100 for \$23.00

6602-C: 400 for \$74.00

Bellevalia paradoxa

Giant Grape Hyacinth

Dense bud spikes are greenish teal at the top and navy blue at the bottom. Florets open deep purple, growing a narrow yellowish bottom rim as the flower matures. Strap-shaped grey-green 8-18" leaves. Attractive to bees but not to deer. Excellent fragrant little cutflowers. Differs from Muscari in that the florets are slightly bell-shaped, not rounded, and the flower and plant are larger. Needs well-drained soil, sun to light shade. Allow the leaves to die back naturally to feed the bulb. Original range is the Caucasus from eastern Turkey to Iran. 8-12" tall. MS-LS, Z5-8. 6cm/up.

6603-A: 10 for \$5.75

6603-B: 50 for \$21.50

6603-C: 200 for \$70.00



Camassia

Spikes of delicate 6-petaled blossoms open sequentially from the bottom up on upright racemes above lush strappy foliage. Blooms after most spring flowers are gone but before early summer flowers peak. Deer and rodent resistant. Prefers moist fertile soil around ponds, in light woods, or in the garden, and has the potential to naturalize. Full to partial sun. LS-ESu, Z3-8.

C. leichtlinii 'Alba' - Leichtlin's Camas

Creamy-white-petaled mauve-anthered 2" star-shaped blossoms open later and on much taller stalks than the blue-flowered *C. quamash*. Makes a graceful companion to flowering onions and holds up well in bouquets. This is a white selection from a species native to western North America. 24-36" tall. 14-16cm. **NEW!**

6604-A: 10 for \$15.00

6604-B: 50 for \$60.00

6604-C: 200 for \$200.00

C. quamash - Indian Hyacinth

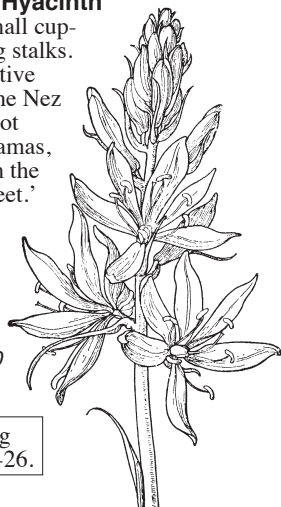
Silvery medium-blue small cup-shaped flowers on strong stalks.

This North American native was a dietary staple of the Nez Perce, Cree and Blackfoot tribes. Another name, Camas, and the Latin come from the Nez Perce word for 'sweet.' Formerly *C. esculenta*, it's listed on Slow Foods' Ark of Taste. 12-16" tall. 6cm/up.

6605-A: 20 for \$7.50

6605-B: 100 for \$30.00

6605-C: 400 for \$98.00



See bulb-planting instructions, pp 25-26.

Glory-of-the-Snow *Chionodoxa*

Starlike flowers with white centers, 3–10 per raceme. Does well in shade, woodland gardens and short grass as well as full sun; can eventually form vast colonies. From the Greek *chion* ‘snow’ and *doxa* ‘glory’; pronounced kee-on-oh-doks-uh. In 2020, *Chionodoxa* was subsumed into *Scilla*. Native to woods and mountains of Crete, Cyprus and western Turkey. 4–8" tall. ES, Z3-8. 5cm/up.

C. forbesii - Soft medium-blue petals, with white centers. Can spread to create a blue carpet for over two weeks in spring.

6606-A: 10 for \$5.00

6606-B: 50 for \$16.50

6606-C: 200 for \$54.00

C. f. ‘Alba’ - Long-lasting all-white flowers. A lovely complement to other varieties, or wonderful in a mini-vase.

6607-A: 10 for \$5.00

6607-B: 50 for \$17.50

6607-C: 200 for \$57.00

***C. lucilliae* ‘Violet Beauty’**

Violet-pink petals with pale pink to white centers.

5–6" tall. **NEW!**

6608-A: 10 for \$5.50

6608-B: 50 for \$21.50

6608-C: 200 for \$74.00

Glory-of-the-Snow Mix

A mix of these long-lived snow- and critter-resistant stars, in shades of blue, violet, pink and white.

6609-A: 10 for \$5.00

6609-B: 50 for \$17.50

6609-C: 200 for \$57.00



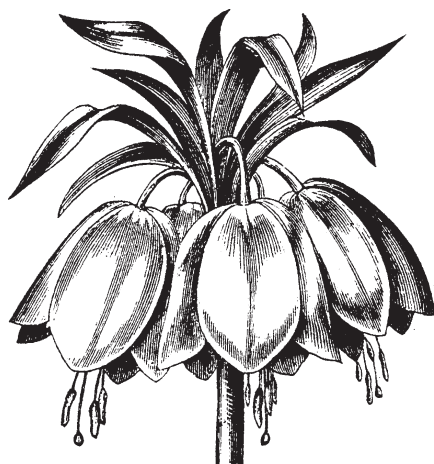
***Eranthis cilicica* - Winter Aconite**

Bright buttercup-yellow flowers each with a frilly green collar which opens bronzy. Very similar to *E. hyemalis* but slightly earlier, leaves less deeply dissected. Good naturalized under deciduous trees and shrubs, can spread by seed. Prefers slightly alkaline, humusy moist soil in sun or dappled shade. Tolerant of frosts and late snows. Soak corms 8–12 hours before planting. 2–4" tall. VE, Z5-7. 4cm/up.

6610-A: 10 for \$6.75

6610-B: 50 for \$27.00

6610-C: 200 for \$90.00



Fritillary or Mission Bells *Fritillaria*

Bell-like flowers in a variety of colors and sizes, often with the subtle checkered pattern that gives rise to the name of the genus (*fritillus* is a dice-box, in Latin).

***F. imperialis* - Crown Imperial** - Striking cluster of 3–6 inverted bells, 2–3" long, hangs from a leafy crown atop a tall spike. Large basal whorl of glossy leaves. Likes full sun, requires good drainage. Plant the bulb sideways to prevent crown rot. Can be very long-lived if left undisturbed. Skunky odor of bulbs repels critters. In cultivation since 1500s, native northern India to Iran. 26–30" tall. MS, Z5-7. 20cm/up.

‘Aurora Maxima’ - Deep red-orange flowers.

6611-A: 1 for \$8.25 6611-B: 3 for \$19.00

6611-C: 12 for \$66.00

‘Lutea Maxima’ - Clear lemon-yellow flowers with light purple veining.

6612-A: 1 for \$10.75 6612-B: 3 for \$24.00

6612-C: 12 for \$86.00

more Fritillaries, next page.

Bulb Genera Generally Unattractive to Critters

Allium
Camassia
Chionodoxa
Eranthis
Erythronium
Fritillaria
Galanthus
Hyacinthoides
Hyacinthus
Ipheion
Leucojum
Muscari
Narcissus
Puschkinia
Scilla



Nothing is guaranteed when the critters are starving. However, the most reliably resistant to depredation are Allium, Fritillaria and Narcissus.

Fritillary, continued.

***Fritillaria meleagris* - Guinea-Hen Flower**

Checkered 1½" flowers in a mix of colors, mostly plum or bronze, with some lilac-pink or white. Delicate single bells hang on slender grey-green grasslike stems. Will spread in a well-drained sheltered spot; also suitable in borders, grassy or humusy areas. Also called **Checkered Lily** and **Snake's Head Fritillary**. Native to Europe where it grows all over in meadows and along streams. 10–14" tall. MS, Z3-8. 6cm/up.

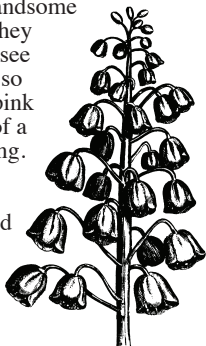
6613-A: 10 for \$5.00
6613-B: 50 for \$18.00
6613-C: 200 for \$57.00



***F. persica* - Persian Bells**

Dusky plum-purple slender 2–3" bell-shaped flowers on tall spikes, sort of like a dark foxglove. Bright silvery-green foliage. Light sweet smell, unlike some other fritillaries, but still unattractive to deer. Handsome in groups. As attractive as they are, they can be difficult to see against a dark background, so plant them among yellow, pink or white tulips, or in front of a light-colored wall or building. Also called **Persian Lily**. Native to southern Turkey, western Iran, Iraq, Israel and Jordan. 24–40" tall. MS. In Zone 5, needs protection to overwinter. Z5-8. 20cm/up.

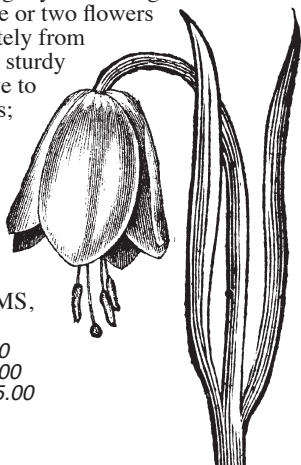
6614-A: 1 for \$8.75
6614-B: 3 for \$23.00
6614-C: 12 for \$78.00



***F. uva-vulpis* - Fox-grape Fritillary**

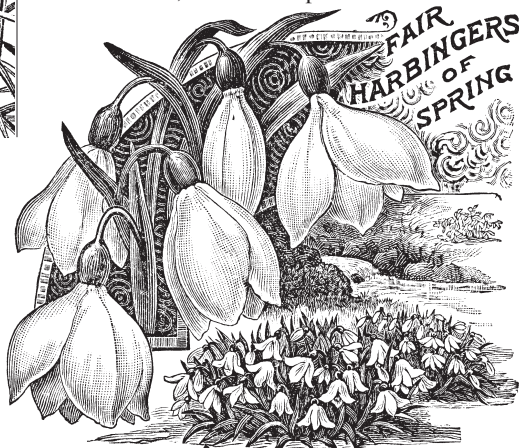
A narrow bell of dusky purple with touches of yellow inside, and slightly recurved golden-yellow petal tips. One or two flowers per stem hang delicately from a slender stalk. More sturdy than they look. Native to the Zagros mountains; will naturalize well in sunny well-drained humus-rich locations. Tolerates moisture in spring, but needs dry conditions in summer. 6–14" tall. MS, Z5-8. 6cm/up.

6615-A: 10 for \$5.00
6615-B: 50 for \$15.00
6615-C: 200 for \$45.00



Snowdrops *Galanthus nivalis*

Frosty white 3-petaled bells with a touch of emerald green on the shorter inner segments. Snowdrops are usually one of the first signs of life emerging from the melting snow, often before the crocuses. Delicate looking, but strong, very hardy and long-lasting, standing up to late snows, frosts and stiff spring winds. Fleshy grass-like grey-green leaves reach to 8–10" as flowers peak. Prefers partial shade and heavy soil, tolerates moist soil; a cool spot in a woodland garden is perfect. Can naturalize in border or lawn. Grows wild in open woods from the Pyrenees to the Caucasus. VE, Z3-8. 5cm/up.



Garden Snowdrop - Often the very first flowers here in central Maine, these flowers are a well-known and delightful sign that spring really is on its way. 4–6" tall.

6616-A: 10 for \$7.50
6616-B: 50 for \$28.00
6616-C: 200 for \$98.00

***G. n. var. Flore Pleno* - Double Snowdrop**

Fully doubled 1–1¼" wide-spreading pendent flower bell is completely filled with petals. Sterile, increases from offsets. This charming variety really packs the petal power! 3–4" tall.

6617-A: 5 for \$8.50
6617-B: 25 for \$33.00
6617-C: 100 for \$115.00

Included in each heading or description:

- Approximate height at flowering time
- Relative bloom time
 - VE: very early spring
 - ES: early spring
 - MS: mid-spring
 - LS: late spring
 - ESu: early summer
- USDA hardiness zones
- Bulb size





***Hyacinthoides non-scripta*
English Bluebells**

Flax-blue, sweetly scented flowers have $1\frac{1}{2}$ – $\frac{3}{4}$ " petals with curled-back tips. Graceful arching racemes with flowers on one side grow 4–8" above glossy green leaves. Similar to Scilla, but taller, with larger flowers, and later to bloom. Self-seeds and forms new bulbs each year to replace old ones that shrivel. Some gardeners occasionally experience skin irritations on contact with flowers or foliage. Tolerate shade, moisture and a wide range of soils, and also do well in full sun. Native to western Europe and England, where bluebells bloom under deciduous trees not yet leafed out to form beautiful "bluebell woods." 12–18" tall. MS, Z5-8. 6cm/up.

6618-A: 10 for \$7.50
6618-B: 50 for \$28.50
6618-C: 200 for \$98.00

See *Mertensia*
Virginia Bluebells,
page 12.

Spring Starflower *Ipheion uniflorum*

Starry 1" flowers, strongly honey scented. Several single-flowered stems arise from each critter-resistant tuber. Easy and attractive, performs best when slightly crowded. Grass-like leaves emerge in fall, make good edging, and smell like garlic only if crushed. Excellent in rock garden or front of the border, good in pots or naturalized in moist but well-drained soil, full sun to partial shade. Formerly named *Tritelia uniflora*. Native to Uruguay and Argentina. 4–6" tall. MS-LS, Z5-10.

I. uniflorum - Color develops from pale blue to soft violet with darker midribs. 4cm/up.

6619-A: 20 for \$8.00
6619-B: 100 for \$29.00
6619-C: 400 for \$95.00

I. u. Mix - Sweetly scented low-growing flowers in a mix of colors: pale blue, medium blue, yellow, bluish-white and violet. 3cm/up.

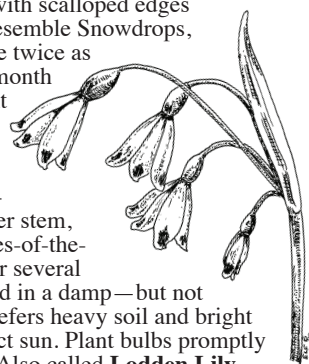
6620-A: 20 for \$5.50
6620-B: 100 for \$20.00
6620-C: 400 for \$63.00



Leucojum aestivum var. *Gravetye Giant* Summer Snowflake

Pure white bells with scalloped edges and green spots resemble Snowdrops, but the flowers are twice as big and bloom a month later, and the plant is three times as tall. Summer Snowflake has 5–9 faintly violet-scented flowers per stem, evoking giant lilies-of-the-valley. Blooms for several weeks. Will spread in a damp—but not wet—location; prefers heavy soil and bright light, but not direct sun. Plant bulbs promptly lest they dry out. Also called **Lodden Lily**. Species is native from Ireland to the Caucasus; Gravetye Manor was the home and laboratory of William Robinson, 19th-century botanist and author of *The Wild Garden*. 18–36" tall. MS-LS, Z4-9. 12-13cm.

6621-A: 5 for \$8.00
6621-B: 25 for \$30.00
6621-C: 100 for \$100.00



Interplanting with Summer Snowflake

Clumps of *Leucojum*, tall with pure white bells, pair with almost anything. We tucked our bulbs in near hyssop and lady's mantle. The flowers bloom, then fade as the perennials expand. *Leucojum* also looks great with **bright red tulips** like **Ile de France**, **Oxford** or **Kingsblood** in front of the upright arching shoots of elderberry bushes.

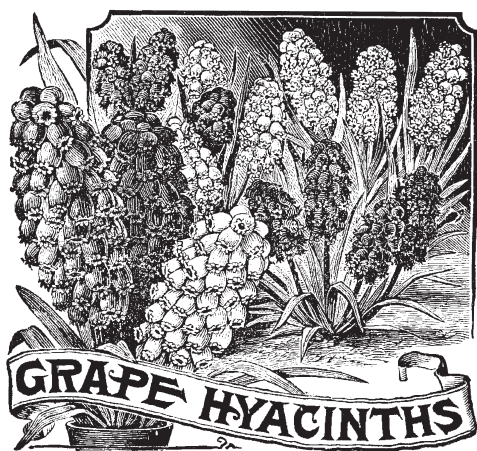
Lycoris squamigera - Magic Lily

A lush crop of leaves emerges in early spring bringing hopes of flowers, but they die back, leaving nothing. Until, suddenly, around mid August, the 18–24" flowerstalk emerges from the ground and quickly blooms.

Fragrant pink-mauve lily-like flowers are 3–4" long with slightly recurved tips. Almost tropical looking, they're great planted among daylilies or hostas, so the flower stalk rises up among the foliage. We see thriving patches in Zone 5 of this most cold-hardy lycoris. Joanna's patch in Zone 3 puts out leaves annually and blooms only every 2–3 years. 18–24" tall. LSu, Z5-9. 12-14cm.

6622-A: 1 for \$13.00
6622-B: 3 for \$31.50
6622-C: 12 for \$102.00





Grape Hyacinth *Muscari*

Distinctive pyramidal spikes of fragrant long-lasting densely packed bells, like upside-down grape clusters. Makes attractive borders, edging, or brightly colored filler between other bulbs. They thrive and increase except in damp or shady areas. Divide when dormant in summer. Do not cut their autumn leaves or they will lose vigor.

M. armeniacum - Bright cobalt-blue florets with subtle white rims; good for forcing, cutting, naturalizing and filling in the border. Fragrant. The most commonly grown *Muscari* and a great counterpoint to all the other hyacinth colors. Blooms at least two weeks, and three weeks for us in cool springs. 6-8" tall. MS, Z4-9. 8-9cm.

6623-A: 20 for \$8.75 6623-B: 100 for \$31.00

6623-C: 400 for \$90.00

***M. botryoides* 'Album'** - Pearls of Spain

Sweetly perfumed pure white bells. Slender racemes show best when closely planted. 4-6" tall. MS, Z3-8. 5cm/up.

6624-A: 20 for \$11.00 6624-B: 100 for \$41.00

6624-C: 400 for \$144.00

M. latifolium - Tall, with a large dense bicolor flower; top third is deep sky-blue fading to lilac, the bottom is dark violet. Unusual single side leaf. The earliest of all *Muscari*. 8-12" tall. ES-MS, Z2-6. 5/6cm.

6625-A: 20 for \$7.00 6625-B: 100 for \$26.00

6625-C: 400 for \$80.00

M. 'Valerie Finnis' - Racemes of pearly sky-blue fat florets naturalize well, slowly spreading their unusual color. 6-8" tall. MS, Z4-8. 8-9cm.

6626-A: 20 for \$9.00 6626-B: 100 for \$33.00

6626-C: 400 for \$112.00

Muscari Bluezz Mix - A jazzy little quintet of blue and white. Contains *Muscari armeniacum*, *M. botryoides* 'Album' and *M. latifolium*; plus a tricolor of pale blues, *M. a.* 'Peppermint', and the bright azure blue *M. azureum*. 4-12" tall. ES-MS, Z4-6. Topsize bulbs.

6627-A: 20 for \$8.75

6627-B: 100 for \$31.00

6627-C: 400 for \$96.00

See page 32 for
Bellevia Giant
Grape Hyacinth.

Puschkinia scilloides - Striped Squill

Compact racemes of white to pale blue flowers, each petal striped with darker blue. 4-10 open bells per stem.

Plant in full sun or light shade as drifts, in borders, or under trees.

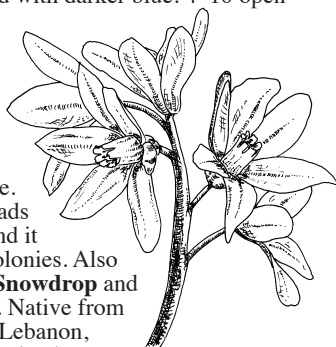
Very hardy and easy to naturalize.

For some it spreads slowly, others find it quickly forms colonies. Also called **Russian Snowdrop** and **Early Stardrift**. Native from the Caucasus to Lebanon, especially in grasslands near the snow line. 4-6" tall. ES, Z3-8. 5cm/up.

6628-A: 10 for \$5.00

6628-B: 50 for \$13.00

6628-C: 200 for \$44.00



Siberian Squill *Scilla siberica*

Loose clusters of delicate pendent bells with a very long bloom time. Prefers cool places, in short grass, under shrubs, deciduous trees or even the shady side of a cedar hedge. May be the most shade-tolerant bulb but also performs well in sun if the soil's not too dry. Amazingly hardy and an excellent naturalizer. Beloved by bees. 6-8" tall. ES, Z2-8.



Scilla siberica - Bright flax-blue bells. Very prolific, can form great drifts. Lightly scented. Watch the bees collect the blue pollen. 7-8cm.

6629-A: 10 for \$5.00

6629-B: 50 for \$20.00

6629-C: 200 for \$65.00

***S. siberica* 'Alba'** - Pure white. More gardeners should try this lovely white form. Beautiful for forcing. 8cm/up.

6630-A: 10 for \$5.75

6630-B: 50 for \$22.00

6630-C: 200 for \$78.00

Species Tulips *Tulipa*

The original wild tulips from the center of tulip diversity in central Asia, and their cultivars which still have a "wild" look, comprise Tulip Division 15. All our stock is nursery-propagated from commercial sources and is not collected in the wild. Once established with good drainage, these tend to perennialize or naturalize, unlike many of the big hybrid tulips. Most are not tall, showy or formal, but they have their own halfling charms. Topsize bulbs vary in size by species.

***T. clusiana* 'Peppermint Stick'** - Pointed petals are white inside with a dusty crimson-pink exterior edged with white. Looks like candy when closed in the morning, in the evening and on cloudy days. Opens wide in the sunshine to show a big white star with a royal purple base. One or two flowers per bulb. The species, native to the Himalayas, is called Lady Tulip. 8-12" tall. MS, Z4-8. 5cm/up. **BACK!**

6701-A: 5 for \$5.00 6701-B: 25 for \$22.00
6701-C: 100 for \$77.00

T. 'Danique' - Rosy-salmon petals are more saturated at the edges and open to charcoal centers edged in pale yellow for splendid contrast. Petite and starry, Danique sends up multiple blooms per bulb and can perennialize well when it's happy. 6-8" tall. MS-LS, Z3-8. 6cm/up. **NEW!**

6702-A: 5 for \$7.50 6702-B: 25 for \$30.00
6702-C: 100 for \$98.00

***T. humilis* 'Persian Pearl'** - Dusky magenta outside, lightly veined green. Inside deep violet-magenta with a bright yellow base. Opens wide in sun offering a cheery splash of color and sweet scent. Species native to mountains of Kurdistan. 4-8" tall. ES-MS, Z4-8. 6cm/up.

6703-A: 10 for \$8.00 6703-B: 50 for \$29.50
6703-C: 200 for \$100.00

T. linifolia - Pointy fluorescent scarlet petals on a purple-black base. Petals open fully in sun, close at night. Red-edged very wavy grey-green basal leaves. Attracting attention since 1884. 6-8" tall. MS-LS, Z4-8. 5cm/up.

6704-A: 10 for \$5.00 6704-B: 50 for \$22.00
6704-C: 200 for \$60.00

T. 'Little Beauty' - Reddish-pink pointy petals open to blue centers edged in white. Each bulb produces 2-5 fragrant flowers amid thin grass-like leaves. Wee and winsome at only 4-6" tall. MS, Z3-8. 6cm/up. We've offered this for years in our Little Stars mix, but it's **NEW!** as its own listing.

6705-A: 10 for \$6.00 6705-B: 50 for \$25.00
6705-C: 200 for \$80.00

***T. praestans* 'Van Tubergen's Variety'**

Brilliant scarlet-orange, with 2-3 flowers on each stem, and possibly several flowerstalks per bulb. Flowers open wide in the sun, 4-5" across. Unlike most species tulips, these flowers are as large as the early season hybrids, on short sturdy stems. Broad medium-green leaves. 8-14" tall. ES-MS, Z4-8. 10-11cm.

6706-A: 5 for \$5.00 6706-B: 25 for \$15.00
6706-C: 100 for \$51.00

T. tarda - Star-shaped yellow flowers with white tips, outside white lightly flushed with dusky purple. Opens wide even on grey days. Highly multifloral, 4-6 flowers per bulb above a rosette of wavy basal leaves. Very long-lived. One of the easiest to grow; spreads readily, even on the shady north side of the house. Also called *T. dasystemon*. 4-5" tall. MS, Z3-8. 7-8cm.

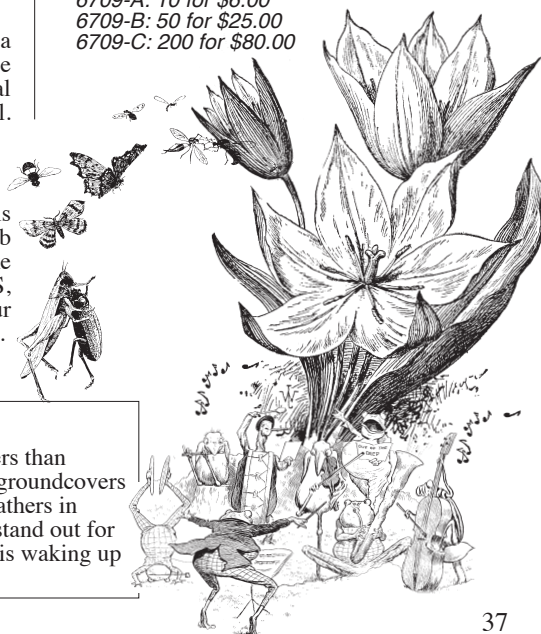
6707-A: 10 for \$5.00 6707-B: 50 for \$22.00
6707-C: 200 for \$77.00

T. turkestanica - One of the earliest tulips to bloom. Graceful pendent flowers, up to 5 per stem, sway along slender stems like wildflowers dancing in the breeze. White petals with yellow centers, flushed greyish-violet outside. Flowers close up at night and on cloudy days. Very easy to grow. Native to eastern Tian Shan mountains. 6-8" tall. ES-MS, Z4-8. 5cm/up.

6708-A: 10 for \$6.50 6708-B: 50 for \$25.00
6708-C: 200 for \$86.00

Little Stars Species Tulip Mix Cheerful star-shaped multifloral tulips whose low-growing spreading habits make them perfect for a rock garden. Contains a mix of *T. tarda*, *T. saxatilis*, *T. humilis* 'Persian Pearl', *T. 'Little Beauty'*, and *T. 'Little Princess'* (burnt-orange blushed with pink and a black center edged in yellow), and other little stars. 4-6" tall. ES-LS, Z4-8. 6cm/up.

6709-A: 10 for \$6.00
6709-B: 50 for \$25.00
6709-C: 200 for \$80.00



Interplanting with Species Tulips

These dollops of color look more like wildflowers than traditional garden tulips. We plant them among groundcovers like bearberry, ericas and heathers. Shear the heathers in early April and these "little stars" shoot up and stand out for a mini fireworks display while the groundcover is waking up and putting on its spring lushness.

View color photos online.



Tulip Divisions

Div1 Single Early The oldest class of cultivars. Cup-shaped long-lasting flowers; good for forcing. ES.

Div2 Double Early Semi- to fully doubled ruffled flowers on short sturdy stems. ES.

Div3 Triumph The largest palette of colors, and the best class for forcing. Cup-shaped flowers. Foliage dies back early; easy to remove or overplant. MS.

Div4 Darwin Hybrid Long-lived type, with large long-blooming weather-resistant ovoid flowers on tall stems. MS-LS.

Div5 Single Late Cup- or goblet-shaped flowers; includes Mayflowering, Cottage, Breeder and Darwin tulips. Tall, in a wide range of colors. LS.

Div6 Lily-flowered Pointed reflexed petals and a slender "waist." Similar to the Ottoman tulips. LS.

Div7 Fringed A finely cut fringe on the petal edge. Also known as **Crispa** tulips. LS.

Div8 Viridiflora "Green Flower" tulips have a broad green flame up the outside of the petals. LS.

Div9 Rembrandt Broken colors; all modern cultivars belong to another class based on other characteristics.

Div10 Parrot Feathered, curled, twisted petal edges. The bud is said to resemble a parrot's beak. MS-LS.

Div11 Double Late Fully doubled ruffled flowers, commonly called **Peony** tulips. LS.

Div12 Kaufmanniana Flowers open wide in the sun, on short stems, also called **Waterlily** tulips. Perennial. VE-ES.

Div13 Fosteriana Large single flowers with long petals in rich vivid colors. Reasonably long-lived, good for forcing. Also called **Emperor** tulips. ES.

Div14 Greigii Large blooms with short stems. Perennial; foliage is streaked or mottled burgundy. ES.

Div15 Species Wild types and their cultivars.

Garden Tulips

Wonderful massed or as accents, these colorful flowers are highlights of spring. Most varieties are also good for cutting, and many are good for forcing. To help protect them from marauding critters, try interplanting with genera that are unattractive to pests: Allium, Fritillaria, Narcissus. All tulips in Divisions 1-14 grow well in Zones 3-7. Topsize bulbs, 12cm/up.

Garden Tulip Mixes

Double Early Mix - A sassy group for the front row of your garden beds and borders. Fully double flowers in bright colors atop relatively short sturdy stems which stand up well in heavy spring rains—and even an early May snow! 10-14" tall. ES-MS, Div2.

6751-A: 10 for \$12.00

6751-B: 50 for \$42.50

6751-C: 200 for \$152.00

Emperor Mix - A royal mix of big-flowered Fosterianas for bold early color. Red, yellow, white, bicolors and more. We planted some outside the Fedco Trees warehouse, and for years this mix has garnered rave reviews in late April. 12-16" tall. ES, Div13.

6752-A: 10 for \$13.00

6752-B: 50 for \$45.00

6752-C: 200 for \$170.00

Non-Stop Reds - Celebrate spring with a long-lasting patch of bright red color. A blend of five or more varieties selected from early, mid and late tulips. Keep that spring fire burning for over a month, come rain or come shine. 12-24" tall.

6753-A: 10 for \$11.00

6753-B: 50 for \$40.00

6753-C: 200 for \$132.00

Pastel Triumph Mix - Soft but not wishy-washy, just easy on the eyes. Pale peach, soft pink, lavender, and more. This tranquil blend displays quiet beauty in the neighborhood. 18-20" tall. MS, Div3.

6754-A: 10 for \$9.50

6754-B: 50 for \$36.00

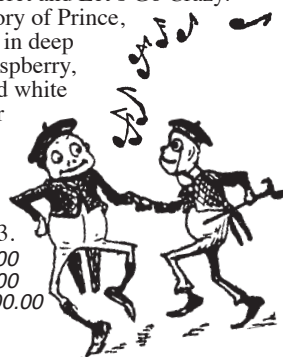
6754-C: 200 for \$120.00

Purple Rain - Nothing Compares to U, so put on your Raspberry Beret and Let's Go Crazy. Inspired by the memory of Prince, this mix of Triumphs in deep purple, mid-violet, raspberry, pearl, candy pink, and white with purple streaks or blushes may make you Delirious. Plant this midseason mix so U Got the Look. 18-20" tall. MS, Div3.

6755-A: 10 for \$15.00

6755-B: 50 for \$56.00

6755-C: 200 for \$200.00



Darwin Hybrid Mix - A mix of yellow, red, apricot, white, pink and more. Long-lived bulbs produce large flowers for a perfect long-lasting bouquet. 20–28" tall. MS-LS, Div4.

6756-A: 10 for \$11.00

6756-B: 50 for \$40.00

6756-C: 200 for \$144.00

Rembrandt Flamed Mix - Broken-color and flamed tulips, originally the result of a virus, were wildly popular in the early 1600s. Propagating infected plants is now stringently restricted in Holland, but breeders have created virus-free varieties closely resembling those depicted in paintings by the Dutch masters. A mix of white, cream and yellow Single Late varieties, broken and flamed with shades of red and purple. 18–28" tall. LS, Div5.

6757-A: 10 for \$12.00

6757-B: 50 for \$42.50

6757-C: 200 for \$152.00

Flash of Green - A mix of four or more Viridiflora tulips, in shades of pink, orange and white, all with a distinctive spring-green flare on the outer petals. Sturdy stems support this long-lived, long-blooming group. Fabulous for cutting. 18–22' tall. LS, Div 8.

6758-A: 10 for \$15.00

6758-B: 50 for \$56.00

6758-C: 200 for \$200.00

Double Late Mix - Pack peony-style petal power in a dramatic range of colors, from white and pastels to red and purple. Double Late tulips in solids and blushes, pastels to deeper reds and purples, for your cutting garden and vase. 6–8 varieties. Plant some Double Early Mix as well for a doubly full season of tulips. 14–18" tall. LS, Div11.

6759-A: 10 for \$16.00

6759-B: 50 for \$62.00

6759-C: 200 for \$220.00



Garden Tulips are hardy in Zones 3-7. Descriptions end with height range at flowering time; peak season of bloom; and division number.

Discounts on orders
received by
August 5, 2022:
take 5% off at \$100,
10% off at \$300,
15% off at \$600,
20% off at \$1200.

— Early Tulips —

‘Apricot Beauty’ - Soft apricot-pink petals tinged with rose and salmon with an uncommon light green base. Fragrant, truly lovely, good for forcing, and one of the world’s best-selling tulips. 14–16" tall. Div1.

6801-A: 5 for \$7.50

6801-B: 25 for \$30.00

6801-C: 100 for \$98.00

‘Purple Prince’ - Deep bluish-purple with dusky lilac flames, reddish-purple inside. Large flowers with a scalloped edge. Complex color mixes well with others. 12–14" tall. Div1.

6802-A: 5 for \$5.00

6802-B: 25 for \$17.50

6802-C: 100 for \$57.00

‘Abba’ - Stunning full ruffled Double Early with glowing current-red petals and slightly darker ribs. Contrasting yellow base and black stamens hidden inside. Short sturdy stems stand up to spring rainstorms. 10–12" tall. Div2.

6803-A: 5 for \$6.25

6803-B: 25 for \$25.00

6803-C: 100 for \$86.00

‘Orange Emperor’ - Deep salmon-orange streaked with yellow on a yellow base. Really beautiful Fosteriana type. Plant with pink tulips or narcissus. 16–18" tall. Div13. **BACK!**

6804-A: 5 for \$5.00

6804-B: 25 for \$22.00

6804-C: 100 for \$77.00

‘Red Emperor’ - Huge blooms of fiery red with enormously long petals on a black and yellow base. One of the all-time favorites; also known as **‘Madame Lefebvre’**. Fosteriana type is great with narcissus. 12–16" tall. Div13.

6805-A: 5 for \$5.00

6805-B: 25 for \$22.00

6805-C: 100 for \$77.00



Included in each heading or description:

- Approximate height at flowering time
- Relative bloom time
 - VE: very early spring
 - ES: early spring
 - MS: mid-spring
 - LS: late spring
- Bulb size



— Midseason Tulips —

‘Carnaval de Rio’ - Cupped white blossoms feature painterly crimson streaks, as if each petal were lightly brushed with color from the base up. A whisper of gold adds a subtle accent, with the color contrast coming off chic and playful. 18–22" tall. Div3. **NEW!**

6811-A: 5 for \$5.00

6811-B: 25 for \$17.50

6811-C: 100 for \$57.00

‘Don Quichotte’ - Wild raspberry to hot pink 4–5" cup-shaped blooms ride on top of strong 16–18" stems in mid spring. If well-situated and planted deeply, can return for years, unusual for a Triumph class tulip. 16–20" tall. Div3.

6812-A: 5 for \$6.25

6812-B: 25 for \$25.00

6812-C: 100 for \$86.00

‘Flaming Flag’ - Enormous glistening white petals contrast with a wave of subtle purple blushes and sharp purple flames. Like a Rembrandt tulip; no two exactly the same. 16–18" tall. Div3.

6813-A: 5 for \$6.25

6813-B: 25 for \$25.00

6813-C: 100 for \$86.00

‘Ile de France’ - Lightly fragrant large bright bold rich red flowers stand tall on sturdy stems. Long-lasting in garden or vase; popular for forcing. Maybe the next best thing to Paris in springtime. 18–22" tall. Div3.

6814-A: 5 for \$6.25

6814-B: 25 for \$25.00

6814-C: 100 for \$86.00

‘Muvota’ - Maroon-red petals have broad dusky rose-gold edges feathering into the maroon. Rich color contrast will draw you in from afar. Also called **Slawa**. 16–18" tall. Div3.

6815-A: 5 for \$6.25
6815-B: 25 for \$25.00
6815-C: 100 for \$86.00

‘Passionale’ - Purple with lilac-purple blush and deeper purple flames, beetroot interior with a yellow base. 14–16" tall. Div3.

6816-A: 5 for \$5.00
6816-B: 25 for \$17.50
6816-C: 100 for \$57.00

‘Prinses Irene’ - Wonderfully complex rich salmony-apricot-orange petals are finely etched with a variable dusky to vibrant plum-violet flame. Fragrant. Popular for forcing. 12–14" tall. Div3.

6817-A: 5 for \$7.50
6817-B: 25 for \$30.00
6817-C: 100 for \$98.00



Interplanting Tulips with Crabapples

These pair nicely together because a lot of crabs have colorful foliage when first emerging. The little leaves catch the light and glow the way that tulips do. One of our happiest accidents was planting stands of single colors of salmony-orange or pink tulips (**Apricot Beauty**, **Daydream** or **Pink Impression**) beneath the crabs and then enjoying the color play from foliage to bud to flower. These illuminated cups are stunning beneath the dappled light of the newly emerging orange, bronze, maroon or deep purple leaves.

Darwin Hybrids

This class of midseason tulips is often sold as “Perennial Tulips” because they reliably produce flowers for years longer than many other hybrid tulips. Large to very large flowers, weather resistant and long blooming. Div4.

‘Banja Luka’ - Golden-yellow petals with broad red edges lightly feathered with gold. Petals are red on the inside, brushed with yellow, turning the outside bronzy when the sun shines through. 20–22" tall. **BACK!**

6821-A: 5 for \$5.00
6821-B: 25 for \$17.50
6821-C: 100 for \$57.00

‘Daydream’ - Opens yellow, matures to rich apricot, with washes and blushes of yellow and rose. Fragrant. Stunning, says Gene. It’s one of our every-year favorites. 20–28" tall.

6822-A: 5 for \$6.25
6822-B: 25 for \$25.00
6822-C: 100 for \$86.00

‘Gudoshnik’ - Creamy yellow with varying amounts of red streaks, dapples and flames, becoming more saturated as each flower matures. No two are alike; one of Gene’s favorites and he has the artist’s eye. The name means ‘painter’ in Russian, and it’s impressionist en masse and finely appointed in the vase. 20–28" tall.

6823-A: 5 for \$6.25
6823-B: 25 for \$25.00
6823-C: 100 for \$86.00

‘Oxford’ - Bright scarlet blooms with a purple-red blush on the outside. Rich mustard-yellow base inside is brilliantly contrasted by the black stamens. 20–28" tall.

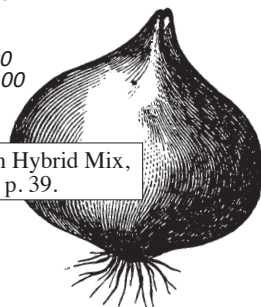
6824-A: 5 for \$5.00
6824-B: 25 for \$19.00
6824-C: 100 for \$67.00

‘Pink Impression’ - Deep rose exterior with deep pink veins, light pink flames, and delicate pink edges; inside light pink and pale rose. Impressive, handsome tulip is taller and larger than most, with lots of subtle gradations. 24–32" tall.

6825-A: 5 for \$5.00
6825-B: 25 for \$17.50
6825-C: 100 for \$57.00

‘Purple Pride’ - Hide your purple under a bushel? No! With big lavish 5" blossoms, this is the first purple Darwin Hybrid to hit the market. Celebrate by planting en masse! 20–24" tall. **NEW!**

6826-A: 5 for \$6.25
6826-B: 25 for \$25.00
6826-C: 100 for \$86.00



For Darwin Hybrid Mix,
see p. 39.

— Late Tulips —

'Dordogne' - Large handsome goblet-shaped blooms on tall stems combine raspberry-rose petals with lighter yellow-orange edges. Study this one up close, as the colors change daily and with the light. Sport of Menton. No two exactly the same; fabulous for cutting. 24-26" tall. Div5.

6831-A: 5 for \$6.25

6831-B: 25 for \$25.00

6831-C: 100 for \$86.00

'Kingsblood' - Dark cherry-red with scarlet edges. One of the best reds: large and long lasting with sturdy stems. 20-24" tall. Div5.

6832-A: 5 for \$6.25

6832-B: 25 for \$25.00

6832-C: 100 for \$86.00

'Queen of Night' - Called black, but really deep dark velvety purple-maroon with a hint of concord grape. For decades now, the standard "black" in the Single Late group. 26-30" tall. Div5.

6834-A: 5 for \$5.00

6834-B: 25 for \$17.50

6834-C: 100 for \$57.00

Garden Tulips are hardy in Zones 3-7. Descriptions end with height range at flowering time, and division number. See page 38 for descriptions of Tulip divisions.

'Ballerina' - Shimmering long-lasting tangerine Lily-flowered blooms subtly tinged with crimson and lemon. Incredibly lovely, with elegant reflexed petals, a slender waist, and tall thin sturdy stems. Sweet scent perks up around dusk. 18-22" tall. Div6.

6841-A: 5 for \$6.25

6841-B: 25 for \$25.00

6841-C: 100 for \$86.00

'Artist' - Green-feathered outer petals give way to assured rosy-salmon with hints of purple in this Viridiflora type. The fluted flower structure is itself a work of art, with the colorwork tipping the overall effect into the realm of masterpiece. 12-16" tall. Div8. **NEW!**

6851-A: 5 for \$7.50

6851-B: 25 for \$30.00

6851-C: 100 for \$98.00



Planting Tulips for Longevity

Some gardeners treat tulips like annuals, removed and replaced yearly. Some others feed the greens in spring, dig the bulbs in early summer after the foliage has browned, ripen the bulbs in a cool dry place, and then replant in fall—a time-consuming process that increases the probability of blooms the next year.

You can take simpler steps to encourage your tulips to come back. Choose a sunny location and plant the bulbs 8-10" deep (yes, that deep!) in well-drained soil, 3-4 weeks before the ground freezes.

During spring growth, check the soil weekly if there is little rain, and water if 1/2" below the surface is dry. Deadhead to force the plant's energy into the bulb. Don't cut or tie the foliage until it has begun to yellow. Overplant with annuals or perennials to help keep the soil dry down where the bulb is.

'China Town' - Soft pink blossoms distinguished by green midrib flames to stunning effect. Gentle yet bold, with cream-edged silvery-green foliage, these long-lasting Viridiflora tulips offer us plenty of opportunity to slow down and admire them. 12-16" tall. Div8. **NEW!**

6852-A: 5 for \$7.50 6852-B: 25 for \$30.00
6852-C: 100 for \$98.00

'Esperanto' - Red petals with green flames on the midribs appear almost chocolate in bright light. Leaves edged white. Long-lasting cutflower is especially rewarding for its complexity and dramatic color when studied up close. Vivid, outstanding Viridiflora. 12-14" tall. Div8.

6853-A: 5 for \$7.50 6853-B: 25 for \$30.00
6853-C: 100 for \$98.00

'Rococo' - Carmine-red Parrot tulip with ruffled petal borders. Central ribs warmly splashed in shades of green and plum. Very showy. Bred from Coleur Cardinal and quite sumptuous to behold. Large blooms need room and wind protection. Wonderful cutflowers that really fill up the vase. 12-14" tall. Div10.

6861-A: 5 for \$5.00
6861-B: 25 for \$22.00
6861-C: 100 for \$77.00



'Angelique' - Shades of pastel pink and pale rose with lighter edges predominate this delicate-looking Double Late. This well-known fragrant sturdy beauty is our best-selling peony-flowered tulip. Good for forcing as well. 14-18" tall. Div11.

6871-A: 5 for \$7.50 6871-B: 25 for \$30.00
6871-C: 100 for \$98.00

'Miranda' - Full bright red Double Late, with hints of yellow deep inside the center, and green hints outside at the base. The name Miranda means 'worthy of admiration' and here we surely agree. 18-22" tall. Div 11.

6872-A: 5 for \$6.25 6872-B: 25 for \$25.00
6872-C: 100 for \$86.00

'Mount Tacoma' - Pure white. One of the fullest of the Double Lates and a great complement to just about anything, whether in beds, borders, vases, or sconces on the wall. 14-18" tall. Div11.

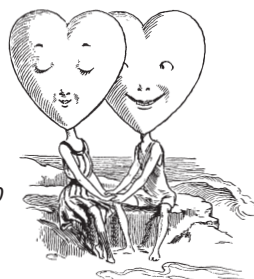
6873-A: 5 for \$7.50 6873-B: 25 for \$30.00
6873-C: 100 for \$98.00

'Purple Peony' - Saturated royal purple all the way through all petals inside and out. You'll not find any real peonies in this color. Rich full Double Late tulip beautifully sets off other colors in either garden or vase. 16-18" tall. Div11.

6874-A: 5 for \$7.50 6874-B: 25 for \$30.00
6874-C: 100 for \$98.00

'Sunlover' - Magnificent fully doubled blooms start out golden-yellow with red highlights. The red markings increase until this Double Late begins to glow orange and even orange-red. Lights up the garden, looks great in a vase, and is fragrant too. 16-18" tall. Div11.

6875-A: 5 for \$5.00
6875-B: 25 for \$19.50
6875-C: 100 for \$67.00



Occasionally, in a less-than-optimal growing season, tulip bulbs in Divisions 8 and 10 have a top size of 10cm/up. We will always supply 12cm/up when they are available, but every now and then they're not. We assume you want the flowers, so we supply what we can get that year.

Tools

Wilcox All-Pro Heavy-Duty Digging Trowel

Nearly indestructible and will not bend, even when digging in hard soil. Forged stainless-steel V-shaped blade is 9" long by 3" wide, has a sharp point for piercing sod or soil, and an etched depth guide. Comfortable non-slip easy-grip handle with a handy leather

thong to loop around your wrist or hang in the shed.

14" overall length. Actual weight is 12.3 ounces. Comes with a lifetime replacement guarantee from Wilcox. Made in Iowa.

8912-A: trowel, \$30.00

Weeding Knife or Hori-Hori

Thick strong concave steel blade with beveled edge tapering to a point, one semi-sharp smooth edge and one serrated edge. The 6½" blade extends 2½" into the wooden handle to which it is securely riveted. Good tool for planting bulbs, for general cultivating and for sawing small roots or heavy stems, though not as sharp as a knife or a saw. Comes with a black vinyl sheath with a belt loop. 11¼" long overall. Manufactured in Japan.

8908-A: hori-hori, \$40.00

Cap Cod Weeder The 3¼" x 7/8" blade is set at right angles to the shaft with beveled sharpened edges to separate weeds from their roots just below the soil surface. Minimizes soil disturbance and thus reduces likelihood of allowing more weed seeds to germinate. Fedco's legendary Gene Frey calls it his favorite hand tool! Overall length 12".

8917-A: weeder, \$45.00

Felco #300 Flower Shears Useful for light pruning, deadheading and cutting stems for arranging. Manufactured in Italy with the same fine steel as the more expensive Felco tools.

9016-A: flower shears, \$21.00

Felco #310 Harvest Shears Fruit and vegetable harvesting shear, lightweight with narrow needle-nose head for harvesting grapes and other produce. Great for pruning nightshades, too! Manufactured in Italy with the same fine steel as the more expensive Felco tools.

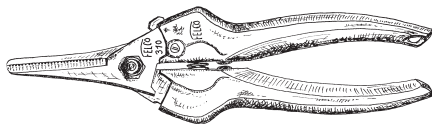
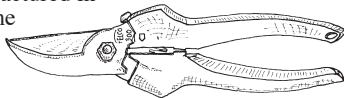
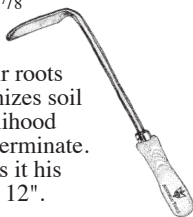
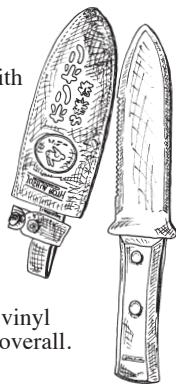
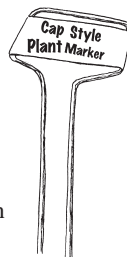
9019-A: harvest shears, \$21.00

Plant Markers - Zinc-coated nameplates on galvanized steel wire provide long-term outdoor labeling. Cap-style marker is 10½" tall with a 7/8x2¼" nameplate, tilted slightly backward to provide easy viewing. Mark with included grease pencil or with soft carbon pencil for erasability, or with hard pencil or ball-point pen for permanent engraved label.

9304-A: 25 for \$17.00

Mesh Garlic Bags - Red poly mesh with a fold-over stitch-sealed "Fresh Produce" label on one end of the 24" long bag. Fill from other end—will stretch to 8" diameter—then tie off. Write on the label or put a sticker over it. Holds up to 10 pounds of garlic or onions in an airflow-friendly bag for curing or storing, or a convenient packaging for markets.

9349-A: 50 for \$17.50



Planting mixes, amendments and so much more can be ordered online from Fedco's Organic Growers Supply!

Fedco's Fall Planting Mixes

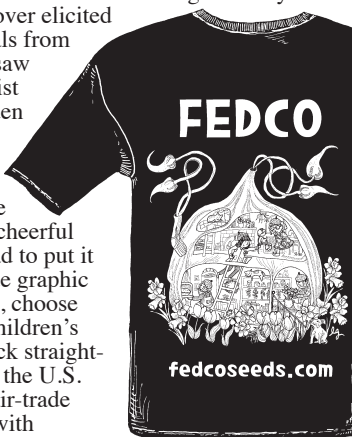
You can order 5# and 50# bags of specialized planting mixes and other soil amendments from our **Seeds and Supplies catalog**, or go to: fedcoseeds.com/ogs

3G Greener Garlic Grower - (3-3.5-3.5, plus sulfur) We designed a special mix to meet the nutrient requirements of garlic. Contains alfalfa meal, bone char, feather meal, sulfate of potash, sulfur, zeolites, and neem cake. You can expect strong spring emergence, vigorous plants, bigger bulbs and richer flavor. *Order online through Fedco's Organic Growers Supply.*

Vegemighty Bulb Fertilizer - (3-2-3) Our own mighty blend of slow-release fertilizers plus trace minerals: non-GMO soybean meal, Tennessee brown rock phosphate, organic alfalfa meal, sulfate of potash and organic kelp meal. All vegetable and mineral; no animal byproducts. Great for flowerbulbs because it won't attract critters. *Order online through Fedco's Organic Growers Supply.*

Fedco Fashions

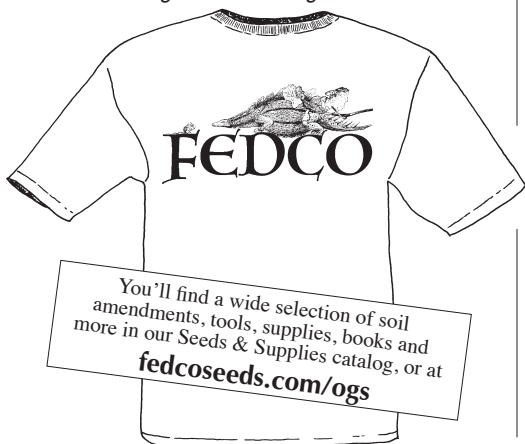
Bulbs Tee The 2020 Bulbs catalog cover by artist Laura Grover elicited delighted squeals from everyone who saw it. Who can resist those little garden gnomes (and their wee pets!) busying about their bulb house surrounded by cheerful narcissi? We had to put it on a shirt. White graphic on black cotton, choose from adult or children's sizing. Crewneck straight-cut tee made in the U.S. from organic fair-trade cotton printed with water-based ink.



- 9420: adult-size tee, \$22.50
A: small **B:** medium **C:** large
D: x-large **E:** xx-large
- 9421: child's tee, \$20.00
A: child's 2T **B:** child's 4T
C: child's 6T **D:** child's 8
E: child's 10 **F:** child's 12

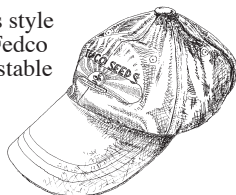
Dino-melon Fedco Tee For 40 years, Gene Frey led our Seeds warehouse operations with virtuosic flexibility, unflappable patience, and a daunting depth of knowledge. In 2004, when the Red Sox were making a record-setting comeback in the AL Championship Series, on his car radio Gene kept hearing Yankees fans chanting "Who's your daddy?" at Sox pitcher Pedro Martinez. "It got me thinking about the parentage of our seeds, especially GMOs," he says, and he created a series of weird hybrid graphics along this theme for that year's Seeds catalog. The dino-melon was born. Crewneck t-shirt in cream-colored organic cotton with the design printed in an earthy brown.

- 9453: crewneck tee, \$25.00
A: small **B:** medium **C:** large
D: x-large **E:** xx-large



View color photos online.

Fedco Cap Nothing says style like a classic low-profile Fedco ball cap. Cotton with adjustable headband and our classic sunray logo with the slogan "Garden – Farm – Orchard." Check online to confirm availability of your preferred color and to see if you like the hue. If you order a color that's out of stock, we'll send a different color.



- 9404: Fedco cap, \$18.50
A: grey **B:** khaki **C:** blue
D: black **E:** pink **F:** yellow

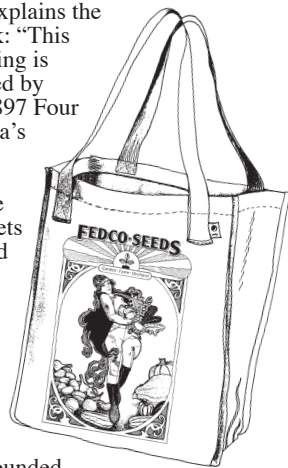
Fedco Toque with Pompon

Don this cozy green and gold cap, and you too can be a Fedco Elf, spreading agricultural good cheer. 100% acrylic knit fabric is warm, washable, and doesn't itch. One size.



- 9410-A: toque, \$18.50

Fedco Canvas Tote Bag This beautiful beige 100% certified-organic cotton canvas bag features the amazing artwork of Fedco's own Sarah Oliver. Sarah explains the story behind her work: "This autumn-harvest drawing is one of a series inspired by Alphonse Mucha's 1897 Four Seasons. I love Mucha's graceful swirls and impeccable lines, and I enjoyed taking these ladies in their bedsheets and putting them into the well-worn rugged clothing of farmers and gardeners, surrounded by seasonal bounty. This one has an autumnal armload of brassicas, and is surrounded by squash, potatoes, onions and garlic. She might have bags under her eyes, but she can rest easier now that the harvest is in." Tote bag is 12 1/2" wide x 14 1/2" tall x 7" deep (square bottom), with 24" handles.



- 9450-A: tote bag, \$18.00

Fedco Carrying Case This nifty metal lunchbox serves myriad uses for kids, gardeners and farmers alike. Perfect for toting Scoobie snacks out to the garden, or for holding your spare shear bolts on the tractor. We use ours to keep seed packets dry while gardening on drizzly days. Looks as old-school as our catalog with the sharp Fedco Seeds logo on a silver background. 4x6x7 3/4".



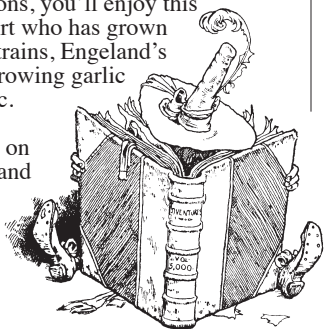
- 9452-A: carrying case, \$13.25

Books about Garlic

Growing Great Garlic: The Definitive Guide for Organic Gardeners and Small Farmers by Ron L. Engeland, 213 pages, 6x9, softcover. If garlic is one of your passions, you'll enjoy this book. From an expert who has grown and sold over 100 strains, Engeland's excellent guide to growing garlic has become a classic.

Discusses varietal differences, touches on fascinating history, and provides essential information on growing, harvesting, storing and marketing.

9612-A: \$16.75



The Complete Book of Garlic: A Guide for Gardeners, Growers and Serious Cooks by Ted Jordan Meredith, 330 pages, 8 1/4x10 1/4, hardcover. Tons of photos get you up close and personal with not only the botany but also the beauty, and are a major part of what makes this book an invaluable resource for the garlic fan. Meredith describes nearly 150 cultivars. Growing specs, storage conditions, culinary advice, nutritional benefits, history, taxonomy, chemistry, botany—it's all here, with research distilled into concise recommendations. Focus in on long-debated issues such as when to harvest scapes, or culinary tenderness against bulb storage capability. A good winter's read that will have you salivating for new varieties or methods to try next year.

9601-A: \$41.00

More Books We Like

Botany in a Day: The Patterns Method of Plant Identification 6th edition, by Thomas J Elpel, 235 pages, 8 1/2x11, softcover. Colorful illustrations on nearly every page, this is an approachable botany textbook and an herbal field guide to North American plants, regularly updated by the author since its release in 1996. The patterns method of identifying plants engages the scientific mind and also sparks a mystic appreciation for the interconnectedness of things in our world. For the studious, the curious, the herbalist, the teacher—plant-lovers of all persuasions will be happy to have this on the shelf.

9510-A: \$30.00

Entangled Life: How Fungi Make Our Worlds, Change Our Minds & Shape Our Futures by Merlin Sheldrake, 368 pages, 6 1/2x9 1/2, softcover. Right from the opening words we understand this book's scope: "Fungi are changing the way life happens, as they have done for more than a billion years. They are eating rock, making soil, digesting pollutants, nourishing and killing plants, surviving in space, inducing visions, producing food, making medicines, manipulating animal behavior and influencing the composition of the earth's atmosphere." Each page is a revelation.

9552-A: \$18.00

Familiar Flowers of Field & Garden

by F. Schuyler Mathews, 308 pages, 7x5, softcover. Dover reprint of an 1895 edition. This delightful guide brings us back to slower and more observant times. From Trailing Arbutus in early spring to Cosmos and Chrysanthemum in late fall, Mathews describes each in his botanic, poetic and opinionated way, "with a little friendly gossip based on personal experience." An absorbing and soothing book.

9557-A: \$15.00



The Healing Garden: Herbs for Health and Wellness by Deb Soule, 223 pages, 7 1/2x9, softcover. Maine herbalist Deb Soule has always been a favorite of Fedco customers. We're pleased to offer this new book—a distillation of her many years of herbal relationship and service—which arrives at a timely juncture for those new to working with herbs. Her loving intent shines through in her closing words: "May herbal remedies find their rightful place in every household and community clinic, not as commodities but as beloved friends."

9614-A: \$22.00

The Holistic Orchard: Tree Fruits and Berries the Biological Way by Michael Phillips, 414 pages, 8x10, softcover. Written by the renowned late orchardist and author of *The Apple Grower*, this book could be called the Encyclopedia of Orchard for the 21st Century. It covers a wide range of fruit crops, while addressing orchard design, dynamics and horticulture in unparalleled detail. Phillips writes, "A holistic grower knows that producing healthy fruit is not about manipulating nature, but about supporting a balanced orchard ecosystem." Whether you're new at this or an old-timer, you will want a copy on hand. The only other reading you will need, of course, is the Fedco Trees catalog.

9624-A: \$36.75

Plant Partners: Science-Based Companion Planting Strategies for the Vegetable Garden by Jessica Wallister, 224 pages, 8x9, softcover. The book begins with an introduction to evidence-based companion planting and what it can do for your garden, then quickly gets down to business laying out one idea after another: living mulches to combat weeds and add fertility; plants that act as trellises for a second crop; duos to minimize pests; suppressing diseases; supporting pest-eating beneficial insects; and feeding pollinators. Full-color photos demonstrate plant pairings alongside each succinct entry for additional inspiration.

9721-A: \$25.00

Find many more of our favorite titles in our **Seeds & Supplies catalog**, or at fedcoseeds.com/ogs

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Bearded Iris, Fall-flowering Crocus,
and **Daylily** can be ordered online.
Check our website for availability!
fedcoseeds.com/bulbs



We guarantee that all items we offer are fully satisfactory.

If you are dissatisfied because of any product defect, we can offer either a Fedco Gift Certificate or a refund check. Inspect your order upon receipt and notify us of any problems. If you notice problems next spring, let us know. Because good results depend upon weather, soil and cultural practices over which we have no control, we limit our liability in all instances to the purchase price of the goods. The liability of Fedco Seeds, Inc., for breach of warranty, or any loss or damages arising out of the purchase or use of our products, including loss or damages resulting from any negligence whatsoever on our part, or strict liability in tort, shall be limited to the purchase price. By acceptance of the merchandise, the buyer acknowledges that the limitations and disclaimers herein described are conditions of sale, and that they constitute the entire agreement between the parties regarding any warranty or liability.

Claims for errors in your order must be presented within 30 days of receipt of your order.

Claims for any product defects should be presented to Fedco as soon as possible after discovery.

Failure to assert claims within 30 days after discovery renders this warranty null and void.



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Final Order Deadline: Friday, **August 19**
Shipping begins mid-Sept. through Oct.
Pickup customers will be notified mid-Oct.

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Supplies all year long, and **Bulbs through 8/19/22.**

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Fall-planted Flowerbulbs, Perennials and Seed Garlic

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